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ABSTRACT

This segment of the national evaluation study of the Follow Through Planned Variation Model describes each of the 17 models represented in the study and reports the results of analyses of 4 years of student performance data for each model. First a purely descriptive synthesis of findings is presented for each model, with interpretation of the data left to the reader. Next a reader's guide is presented to facilitate comprehension of subsequent chapters and appendices. Each succeeding chapter discusses a different model, providing a descriptive overview of the sponsor's conception of the model, an examination of that model as realized in Follow Through, and a review of the model's effects on children. The section on the model as realized in Follow Through contains a listing of the sites which have been evaluated, a description of the sample, and an account of both teachers' and parents' perceptions of the model. The section on the effects on children presents information about entry-exit effects, national norm comparisons, effects by type of preschool, and longitudinal effects. There are more than 900 pages of appendices. (JMB)

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ED148491

# Education as Experimentation: A Planned Variation Model

PS

## Volume IV-B
## Effects of Follow Through Models

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Linda B. Stebbins
with
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U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
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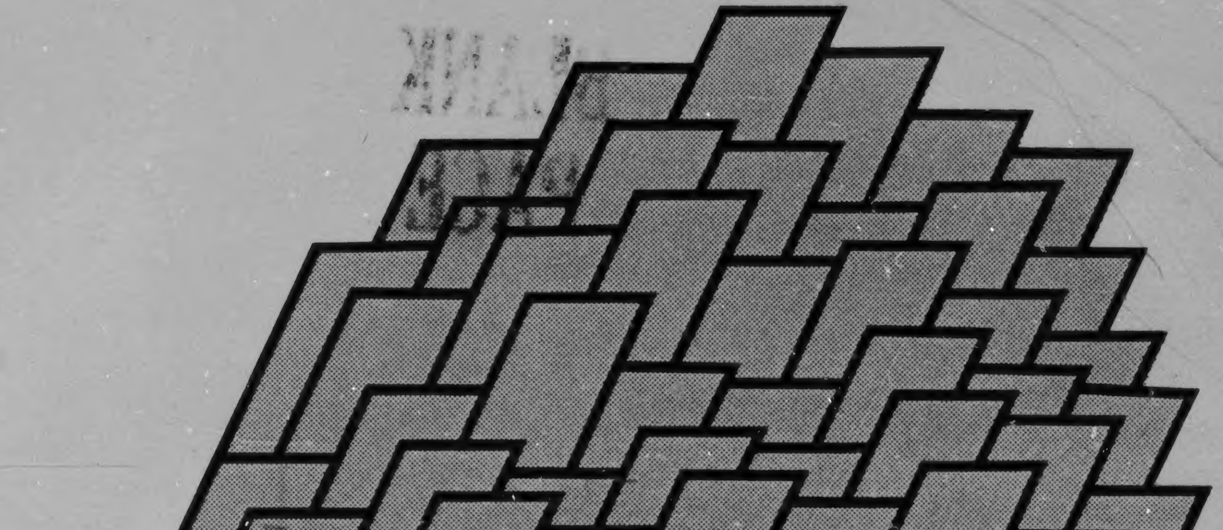

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# EDUCATION AS EXPERIMENTATION: A PLANNED VARIATION MODEL

## VOLUME IV-B

## EFFECTS OF FOLLOW THROUGH MODELS

15 April 1977

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## TABLE OF CONTENTS

## VOLUME IVB

PAGE

CHAPTER ONE A READER'S GUIDE TO THE MODEL CHAPTERS 1

The Model 4
The Program as Realized in Follow Through 4

Sample Description 4
Teacher's and Parents' Perceptions of the Model 14

Effects on Children 18

Entry-Exit Effects 18
National Norm Comparisons 23
Effects by Type of Preschool Experience 25
Longitudinal Effects 26

Summary 26

CHAPTER TWO RESPONSIVE EDUCATION MODEL 29

The Model 29
The Responsive Education Model as Realized in Follow Through 29

Sample Description 31
Teachers' Perceptions of the Model 31
Parents' Perceptions of the Model 34

Effects on Children 34

Entry-Exit Effects 36
National Norm Comparisons 38
Effects by Type of Preschool Experience 38
Longitudinal Effects 39

Summary 40

CHAPTER THREE TUCSON EARLY EDUCATION MODEL (TEEM) 41

The Model 41
TEEM Model as Realized in Follow Through 42

Sample Description 42
Teachers' Perceptions of the Model 45
Parents' Perceptions of the Model 45

PAGE

Effects on Children 47

Entry-Exit Effects 47
National Norm Comparisons 49
Effects by Type of Preschool Experience 49
Longitudinal Effects 50

Summary 51

CHAPTER FOUR BANK STREET MODEL 53

The Model 53
The Bank Street Model as Realized in Follow Through 54

Sample Description 54
Teachers' Perceptions of the Model 54
Parents' Perceptions of the Model 57

Effects on Children 57

Entry-Exit Effects 59
National Norm Comparisons 61
Effects by Type of Preschool Experience 61
Longitudinal Effects 62

Summary 63

CHAPTER FIVE DIRECT INSTRUCTION MODEL 65

The Model 65
The Direct Instruction Model as Realized in Follow Through 66

Sample Description 66
Teachers' Perceptions of the Model 69
Parents' Perceptions of the Model 69

Effects on Children 69

Entry-Exit Effects 71
National Norm Comparisons 73
Effects by Type of Preschool Experience 74
Longitudinal Effects 75

Summary 75

PAGE

CHAPTER SIX BEHAVIOR ANALYSIS MODEL (BA) 77

The Model 77
The BA Model as Realized in Follow Through 78

Sample Description 78
Teachers' Perceptions of the Model 78
Parents' Perceptions of the Model 82

Effects on Children 82

Entry-Exit Effects 83
National Norm Comparisons 85
Effects by Type of Preschool Experience 85
Longitudinal Effects 87

Summary 87

CHAPTER SEVEN COGNITIVELY ORIENTED CURRICULUM MODEL 89

The Model 89
The Cognitive Curriculum Model as Realized in Follow Through 90

Sample Description 90
Teachers' Perceptions of the Model 92
Parents' Perceptions of the Model 92

Effects on Children 92

Entry-Exit Effects 95
National Norm Comparisons 97
Effects by Type of Preschool Experience 97
Longitudinal Effects 97

Summary 98

CHAPTER EIGHT FLORIDA PARENT EDUCATION MODEL 101

The Model 101
The Parent Education Model as Realized in Follow Through 102

Sample Description 102
Teachers' Perceptions of the Model 104
Parents' Perceptions of the Model 104

PAGE

Effects on Children 107

    Entry-Exit Effects 107
    National Norm Comparisons 109
    Effects by Type of Preschool Experience 109
    Longitudinal Effects 111

Summary 111

CHAPTER NINE EDC OPEN EDUCATION FOLLOW THROUGH PROGRAM (EDC) 113

The Model 113
The EDC Model as Realized in Follow Through 114

    Sample Description 115
    Teachers' Perceptions of the Model 115
    Parents' Perceptions of the Model 115

Effects on Children 119

    Entry-Exit Effects 119
    National Norm Comparisons 121
    Effects by Type of Preschool Experience 121
    Longitudinal Effects 122

Summary 123

CHAPTER TEN SELF-SPONSORED PROGRAM 125

The Model 125
The Self-Sponsored Program as Realized in Follow Through 125

    Sample Description 125
    Teachers' Perceptions of the Model 127
    Parents' Perceptions of the Model 127

Effects on Children 127

    Entry-Exit Effects 128
    National Norm Comparisons 128
    Effects by Type of Preschool Experience 130
    Longitudinal Effects 130

Summary 130

PAGE

CHAPTER ELEVEN INDIVIDUALIZED EARLY LEARNING PROGRAM (IELP) 131

The Model 131
IELP Model as Realized in Follow Through 132

Sample Description 132
Teachers' Perceptions of the Model 132
Parents' Perceptions of the Model 134

Effects on Children 134

Entry-Exit Effects 134
National Norm Comparisons 136
Effects by Type of Preschool Experience 136
Longitudinal Analysis 138

Summary 138

CHAPTER TWELVE INTERDEPENDENT LEARNING MODEL (ILM) 139

The Model 139
ILM as Realized in Follow Through 140

Sample Description 140
Teachers' Perceptions of the Model 142
Parents' Perceptions of the Model 142

Effects on Children 142

Entry-Exit Effects 144
National Norm Comparisons 144
Effects by Type of Preschool Experience 145
Longitudinal Analysis 146

Summary 146

CHAPTER THIRTEEN LANGUAGE DEVELOPMENT (BILINGUAL EDUCATION) APPROACH (SEDL) 147

The Model 147
The SEDL Model as Realized in Follow Through 149

Sample Description 149
Teachers' Perceptions of the Model 149
Parents' Perceptions of the Model 149

PAGE

Effects on Children 153

    Entry-Exit Effects 153
    National Norm Comparisons 156
    Effects by Type of Preschool Experience 156
    Longitudinal Effects 156

Summary 156

CHAPTER FOURTEEN CULTURAL LINGUISTIC APPROACH 159

The Model 159
The Cultural Linguistic Approach as Realized in Follow Through 160

    Sample Description 160
    Teachers' Perceptions of the Model 160
    Parents' Perceptions of the Model 160

Effects on Children 162

    Entry-Exit Effects 162
    National Norm Comparisons 164
    Effects by Type of Preschool Experience 164
    Longitudinal Effects 164

Summary 164

CHAPTER FIFTEEN HOME-SCHOOL PARTNERSHIP MODEL 167

The Model 167
The Home-School Partnership Model as Realized in Follow Through 1688

    Sample Description 168
    Teachers' Perception of the Model 168
    Parents' Perceptions of the Model 168

Effects on Children 171

    Entry-Exit Effects 171
    National Norm Comparisons 171
    Effects by Type of Preschool Experience 172
    Longitudinal Effects 172

Summary 173

PAGE

CHAPTER SIXTEEN CALIFORNIA PROCESS MODEL 175

The Model 175
The California Process Model as Realized in Follow Through 176

Sample Description 176
Teachers' Perceptions of the Model 179
Parents' Perceptions of the Model 179

Effects on Children 179

Entry-Exit Effects 181
National Norm Comparisons 183
Effects by Type of Preschool Experience 184
Longitudinal Effects 184

Summary 184

CHAPTER SEVENTEEN THE NEW SCHOOL APPROACH 185

The Model 185
The New School Approach as Realized in Follow Through 186

Sample Description 186
Teachers' Perceptions of the Model 186
Parents' Perceptions of the Model 186

Effects on Children 186

Entry-Exit Effects 189
National Norm Comparisons 189
Effects by Type of Preschool Experience 189
Longitudinal Analysis 191

Summary 191

CHAPTER EIGHTEEN MATHEMAGENIC ACTIVITIES PROGRAM 193

The Model 193
MAP as Realized in Follow Through 194

Sample Description 194
Teachers' Perceptions of the Model 194
Parents' Perceptions of the Model 194

PAGE

Effects on Children 194

Entry-Exit Effects 197
National Norm Comparisons 197
Effects by Type of Preschool 198
Longitudinal Analysis 198

Summary 198

## LIST OF TABLES

## VOLUME IVB

| Table | | Page |
|---|---|---|
| 1-1 | Additional Tables and Exhibits of Information Contained in Various Sections of Volume IV | 5 |
| 1-2 | Selected Standardized Scores for Teacher Clusters and Parent Factors by Site by Cohort Stream for (Model) | 17 |
| 1-3 | Summary of Effects for (Model) | 20 |
| 1-4 | Adjusted Differences Between FT and NFT on the MAT Mathematics Computations for the Cohort III Kindergarten Sites in the (Model) | 24 |
| 2-1 | Selected Standardized Scores for Teacher Clusters and Parent Factors for Responsive Education Sites | 35 |
| 2-2 | Summary of Effects for Responsive Education Sites | 37 |
| 3-1 | Selected Standardized Scores for Teacher Clusters and Parent Factors for TEEM Sites | 46 |
| 3-2 | Summary of Effects for TEEM Sites | 48 |
| 4-1 | Selected Standardized Scores for Teacher Clusters and Parent Factors for Bank Street Sites | 58 |
| 4-2 | Summary of Effects for Bank Street Sites | 60 |
| 5-1 | Selected Standardized Scores for Teacher Clusters and Parent Factors for Direct Instruction Sites | 70 |
| 5-2 | Summary of Effects for Direct Instruction Sites | 72 |
| 6-1 | Selected Standardized Scores for Teacher Clusters and Parent Factors for Behavior Analysis Sites | 81 |
| 6-2 | Summary of Effects for Behavior Analysis Sites | 84 |
| 7-1 | Selected Standardized Scores for Teacher Clusters and Parent Factors for Cognitive Curriculum Sites | 94 |
| 7-2 | Summary of Effects for Cognitive Curriculum Sites | 96 |
| 8-1 | Selected Standardized Scores for Teacher Clusters and Parent Factors for Parent Education Sites | 106 |
| 8-2 | Summary of Effects for Parent Education Sites | 108 |

| Table | | Page |
|---|---|---|
| 9-1 | Selected Standardized Scores for Teacher Clusters and Parent Factors in EDC Sites | 118 |
| 9-2 | Summary of Effects for EDC Sites | 120 |
| 10-1 | Selected Standardized Scores for Teacher Clusters and Parent Factors for Self-Sponsored Sites | 129 |
| 10-2 | Summary of Effects for Self-Sponsored Sites | 129 |
| 11-1 | Selected Standardized Scores for Teacher Clusters and Parent Factors for IELP Sites | 135 |
| 11-2 | Summary of Effects for IELP Sites | 135 |
| 12-1 | Selected Standardized Scores for Teacher Clusters and Parent Factors in ILM Sites | 143 |
| 12-2 | Summary of Effects for ILM Sites | 143 |
| 13-1 | Selected Standardized Scores for Teacher Clusters and Parent Factors for SEDL Sites | 152 |
| 13-2 | Summary of Effects for SEDL Sites | 154 |
| 14-1 | Selected Standardized Scores for Teacher Clusters and Parent Factors for CLA Sites | 163 |
| 14-2 | Summary of Effects for CLA Sites | 163 |
| 15-1 | Selected Standardized Scores for Teacher Clusters and Parent Factors for Home-School Partnership Sites | 170 |
| 15-2 | Summary of Effects for Home-School Partnership Model | 170 |
| 16-1 | Selected Standardized Scores for Teacher Clusters and Parent Factors for Cal Process Sites | 180 |
| 16-2 | Summary of Effects for Cal Process Sites | 182 |
| 17-1 | Selected Standardized Scores for Teacher Clusters and Parent Factors for NSA Sites | 188 |
| 17-2 | Summary of Effects for NSA Sites | 188 |
| 18-1 | Selected Standardized Scores for Teacher Clusters and Parent Factors for Mathemagenic Sites | 196 |
| 18-2 | Summary of Effects for Mathemagenic Sites | 196 |

## LIST OF FIGURES

## VOLUME IVB

| Figure | | Page |
|---|---|---|
| 1-1 | Rankings on the Socioeonomic Discrepancy Index for (Model) Sites | 13 |
| 1-2 | Sponsor Level Summary of Effects for (Model) | 27 |
| 2-1 | Rankings on the Socioeonomic Discrepancy Index for Responsive Education Sites | 32 |
| 2-2 | Rankings on the Ethnic-Linguistic Discrepancy Index for the Responsive Education Sites | 33 |
| 2-3 | Sponsor Level Summary of Effects for the Responsive Education Sites | 39 |
| 3-1 | Rankings on Socioeconomic Discrepancy Index for the TEEM Model | 43 |
| 3-2 | Rankings on the Ethnic-Linguistic Discrepancy Index for the TEEM Model | 44 |
| 3-3 | Sponsor Level Summary of Effects for the TEEM Model | 50 |
| 4-1 | Rankings on the Socioeconomic Discrepancy Index for the Bank Street Model | 55 |
| 4-2 | Rankings on the Ethnic-Linguistic Discrepancy Index for the Bank Street Model | 56 |
| 4-3 | Sponsor Level Summary of Effects for the Bank Street Model | 62 |
| 5-1 | Rankings on the Socioeconomic Discrepancy Index for the Direct Instruction Model | 67 |
| 5-2 | Rankings on the Ethnic-Linguistic Discrepancy Index for the Direct Instruction Model | 68 |
| 5-3 | Sponsor Level Summary of Effects for the Direct Instruction Model | 74 |
| 6-1 | Rankings on the Socioeconomic Discrepancy Index for the Behavior Analysis Model | 79 |
| 6-2 | Rankings on the Ethnic-Linguistic Discrepancy Index for the Behavior Analysis Model | 80 |

| Figure | | Page |
|---|---|---|
| 6-3 | Sponsor Level Summary of Effects for the Behavior Analysis Model | 86 |
| 7-1 | Rankings on the Socioeconomic Discrepancy Index for the Cognitive Curriculum Model | 91 |
| 7-3 | Sponsor Level Summary of Effects for the Cognitive Curriculum Model | 98 |
| 8-1 | Rankings on the Socioeconomic Discrepancy Index for the Parent Education Model | 103 |
| 8-2 | Rankings on the Ethnic-Linguistic Discrepancy Index for the Parent Education Model | 105 |
| 8-3 | Sponsor Level Summary of Effects for the Parent Education Model | 110 |
| 9-1 | Rankings on the Socioeconomic Discrepancy Index for the EDC Model | 116 |
| 9-2 | Rankings on the Ethnic-Linguistic Discrepancy Index for the EDC Model | 117 |
| 9-3 | Sponsor Level Summary of Effects for the EDC Model | 122 |
| 10-1 | Rankings on the Socioeconomic Discrepancy Index for the Self Self-Sponsored Model | 126 |
| 10-2 | Rankings on the Ethnic-Linguistic Discrepancy Index for the Self-Sponsored Model | 126 |
| 11-1 | Rankings on the Socioeconomic Discrepancy Index for the IELP Model | 133 |
| 11-2 | Rankings on the Ethnic-Linguistic Discrepancy Index for the IELP Model | 133 |
| 11-3 | Sponsor Level Summary of Effects for the IELP Model | 137 |
| 12-1 | Rankings on the Socioeconomic Discrepancy Index for the ILM Model | 141 |
| 12-2 | Rankings on the Ethnic-Linguistic Discrepancy Index for the ILM Model | 141 |
| 12-3 | Sponsor Level Summary of Effects for the ILM Model | 145 |
| 13-1 | Rankings on the Socioeconomic Discrepancy Index for the SEDL Model | 150 |

**Figure** **Page**

13-2 Rankings on the Ethnic-Linguistic Discrepancy Index for the SEDL Model 151

13-3 Sponsor Level Summary of Effects for the SEDL Model 155

14-1 Rankings on the Socioeconomic Discrepancy Index for the CLA Model 161

14-2 Rankings on the Ethnic-Linguistic Discrepancy Index for the CLA Model 161

14-3 Sponsor Level Summary of Effects for the CLA Model 165

15-1 Rankings on the Socioeconomic Discrepancy Index for the Home-School Partnership Model 169

15-2 Rankings on the Ethnic-Linguistic Discrepancy Index for the Home-School Partnership Model 169

15-3 Sponsor Level Summary of Effects for the Home-School Partnership Model 172

16-1 Rankings on the Socioeconomic Discrepancy Index for the Cal Process Model 177

16-2 Rankings on the Ethnic-Linguistic Discrepancy Index for the Cal Process Model 178

16-3 Sponsor Level Summary of Effects for the Cal Process Model 182

17-1 Rankings on the Socioeconomic Discrepancy Index for the NSA Model 187

17-2 Rankings on the Ethnic-Linguistic Discrepancy Index for the NSA Model 187

17-3 Sponsor Level Summary of Effects for the NSA Model 190

18-1 Rankings on the Socioeconomic Discrepancy Index for the Mathemagenic Model 195

18-2 Rankings on the Ethnic-Linguistic Discrepancy Index for the Mathemagenic Model 195

## CHAPTER ONE

## A READER'S GUIDE TO THE MODEL CHAPTERS

The evaluations of Project Follow Through are emerging from a variety of sources and perspectives. Reports from the model sponsors, the participating communities, and the national evaluation contractors and the synthesis of these reports written by the U.S. Office of Education suggest that the pattern of effects is a complicated mixture of success and failure with respect to the educational and social service objectives of the program. Depending on what one considers important or relevant criteria for evaluation, the conclusions can vary widely.

By design, one portion of the national evaluation of the Follow Through Planned Variation models focused on the results of tests administered to all Follow Through (FT) and non-Follow Through comparison (NFT) children, the questionnaires administered to their teachers, and the interview data collected from their parents. These data form the bases of our evaluation. The patterns of effects which we report provide one perspective for assessing the effectiveness of various instructional strategies designed to improve the education of low-income children in the early elementary years.

The purpose of Follow Through was to improve children's life chances. The Follow Through program provides children with a broad range of educational and social services. We must point out, however, that our evaluation is only concerned with the instructional component of Follow Through, and then only with certain kinds of measurable educational outcomes. Moreover, we do not have data about the degree to which the sponsors were successful in implementing their models in the various sites. The degree of implementation has undoubtedly varied both across sites and over time within sites. We recognize that information regarding implementation would greatly enhance our own and the reader's understanding of the data presented. Such implementation data, however, have not been available to us.

The present evaluation results are included in five separately bound parts comprising Volume IV of a series of Follow Through evaluations. The first part (Volume IV-A) contains chapters which introduce the reader to the evaluation and give a brief history of our involvement, describe the Follow Through models and the measures used in the evaluation, describe the samples of participating children, parents and teachers, enumerate the analytic strategies, and summarize the results of the evaluation. The second part (Volume IV-B) contains a model-by-model summary of the results. The third part (Volume IV-C) is an appendix to Volume IV-B. The fourth part (Volume IV-D) contains the results of a longitudinal study of a subset of the children reported upon in Volume IV (A, B,and C). Finally, the fifth part, the Non-Follow Through Study, reports on characteristics of the comparison groups included in the evaluation.

In this volume we report the most salient results of our analyses of each of the seventeen models represented in the national Follow Through Evaluation. Each model is discussed in a separate chapter. Each chapter offers a descriptive synthesis of findings based on the data presented in the accompanying tables and figures. We seek to provide the reader with a guide to these data, accompanied by information about each sponsor's stated goals and objectives for teachers, parents, and children. We deliberately do not offer our interpretations. Rather, we invite our readers to make their own judgments about each model, based on their own views about the meaning of these data. Our own conclusions about the meaning of these data are presented in Chapter Five of Volume IV-A.

In our attempt to synthesize the vast amount of available and relevant materials, we have generated various indices to aid in our discussion, developed specialized table formats to facilitate reader's comprehension of the necessary data presentations, and placed much of the supplementary information in an appendix. In this chapter, we shall discuss these indices and table formats and note the location of the supplementary tables. We intend this chapter to serve the reader as a guide to the model chapters.

We have followed a similar outline in each model chapter. In this chapter, we first present this outline, briefly annotated, and then describe in detail each section of that outline.

- The Model
  a descriptive overview of the sponsor's model
- The Model as Realized in Follow Through
  a listing of the sites which have been evaluated, followed by:
  - Sample Description
    the variability of the treatment and comparison groups in the evaluated sites, discussed in terms of socio-economic status and ethnic-linguistic composition
  - Teachers' Perceptions of the Model
    the teachers' reported attitudes and behaviors
  - Parents' Perceptions of the Model
    the parents' reported attitudes and behaviors
- Effects on Children
  a review of the model's major emphases, followed by:
  - Entry-Exit Effects
    results of comparisons of the performance of the Follow Through children with similarly disadvantaged non-Follow Through (NFT) children in the basic skill, cognitive-conceptual, and affective domains for each cohort stream*
  - National Norm Comparisons
    the sites which have a smaller proportion of children performing one or more years below grade level than expected based on the MAT norming sample
  - Effects by Type of Preschool
    the model's relative success with children who have had different types of preschool experience
  - Longitudinal Effects
    the timing of model effects
- Summary

---

* Cohort stream has been defined in detail in Chapter One of Volume IV-A. A brief definition follows: Cohort refers to the year a child entered Follow Through either as a kindergarten or first grade student. Stream refers to the entry grade level: K (kindergarten); EF (entering first grade). The report examines the data for Cohort II (entry year, 1970) and Cohort III (entry year, 1971).

Below we discuss briefly the type of material included in each section of each chapter, introduce the various indices and table formats used, and indicate the appendix tables containing supplementary material.

## The Model

In this section we provide a brief overview of the sponsor's model. The information for these discussions was taken from several sources* including personal communication with the sponsors or their representatives.

## The Model as Realized in Follow Through

### Sample Description

All Follow Through sponsors have implemented their models in one or more sites. The sites discussed in our reports are those which were selected to participate in the national evaluation.** Each selected site contains a treatment (Follow Through) group and a comparison (non-Follow Through) group. The number of children in each site treatment/comparison group is reported in the Distribution of Background Variables Tables. (Their location is noted in Table 1-1.) These groups of children may be described by a number of background characteristics.

In order to synthesize these characteristics, we have constructed two composite variables termed discrepancy indices. We selected the background variables entering into the construction of these discrepancy indices on a conceptual basis. The first index, the Socioeconomic Discrepancy Index, is constructed from four background variables: family income, percentage of mothers who graduated from high school, highest occupation in household, and percentage of households headed by females. This index provides a single variable which combines several quasi-continuous socioeconomic indicators to reflect the child's background. We intentionally did not include variables reflecting the child's educational background (i.e. preschool or pretest) as we did not wish to

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* USOE (1973), Judd and Wood (1973), and sponsor descriptions from 1975 proposals. Each sponsor has also had the opportunity to edit this section of his chapter. Many sponsors have expended considerable effort in rephrasing our materials to ensure their accuracy. We are grateful for their assistance and have tried to abide by their perceptions.

** Site selections were made by SRI, Huron Institute, and USOE.

## Table 1-1

## ADDITIONAL TABLES AND EXHIBITS OF INFORMATION CONTAINED IN VARIOUS SECTIONS OF VOLUME IV

| TEXT/TABLE | SAMPLE | LOCATION | | TYPE OF INFORMATION |
|---|---|---|---|---|
| | | Volume | Table/ Exhibit Number[a] | |
| SAMPLE DESCRIPTION | | | | |
| Distribution of Background Variables | CIII-K | IV-C | Cx-IIIK-2 | Sponsor level FT/NFT and site level FT/NFT descriptive statistics |
| | CIII-EF | IV-C | Cx-IIIEF-2 | |
| | CII-K | III-A | x-1 | |
| | CII-EF | IV-C | Cx-IIEF-2 | |
| Means and Standard Deviations for the Covariates | CIII-K | IV-C | Cx-IIIK-23 | Sponsor level FT/NFT and site level FT/NFT descriptive statistics |
| | CIII-EF | IV-C | Cx-IIIEF-23 | |
| | CII-K | III-B | Ax-14 | |
| | CII-EF | IV-C | Cx-IIEF-23 | |
| Background Variables for FT and NFT Children in the Cohort III-K Preschool Sample (Site Level) | CIII-K preschool | IV-C | Cx-IIIK(PS)-28 | Site level FT/NFT descriptive statistics (includes covariates) |
| Background Variables for FT and NFT Children in the Cohort III-K Preschool Sample (Sponsor Level) | CIII-K preschool | IV-C | Cx-IIIK(PS)-27 | Sponsor level FT/NFT descriptive statistics (includes covariates) |

[a] An "x" within a table means that there is a separate table for each model. "x" stands for the number of the model chapter.

Table 1-1 (cont.)

| TEXT/TABLE | SAMPLE | LOCATION | | TYPE OF INFORMATION |
|---|---|---|---|---|
| | | Volume | Table/ Exhibit Number[a] | |
| Values of Socio-economic and Ethnic-Linguistic Discrepancy Indices | CIII-K preschool | IV-C | C1-16 | Site level FT/NFT index values |
| | CIII-EF | IV-C | C1-17 | |
| | CII-K | IV-C | C1-18 | |
| | CII-EF | IV-C | C1-19 | |
| Range of Background Variables for Each Quarter in Socio-economic Discrepancy Index | CIII-K preschool | IV-C | C1-20 | Range of values of background variables in each quarter |
| | CIII-EF | IV-C | C1-22 | |
| | CII-K | IV-C | C1-24 | |
| | CII-EF | IV-C | C1-26 | |
| Range of Background Variables for Each Quarter in Ethnic-Linguistic Discrepancy Index | CIII-K preschool | IV-C | C1-21 | Range of values of background variables in each quarter |
| | CIII-EF | IV-C | C1-23 | |
| | CII-K | IV-C | C1-25 | |
| | CII-EF | IV-C | C1-27 | |
| Ethnic Distribution | CIII-K | IV-C | Cx-IIIK-1 | Site level FT/NFT categorical breakdown |
| | CIII-EF | IV-C | Cx-IIIEF-1 | |
| | CII-K | III-B | Ax-16 | |
| | CII-EF | IV-C | Cx-IIEF-1 | |
| Distribution of Household Income | CIII-K | IV-C | C1-1 | Sponsor level FT/NFT categorical breakdown |
| | CIII-EF | IV-C | C1-6 | |
| | CII-K | III-B | A3-4,5 | |
| | CII-EF | IV-C | C1-11 | |
| Distribution of Mother's Education | CIII-K | IV-C | C1-2 | Sponsor level FT/NFT categorical breakdown |
| | CIII-EF | IV-C | C1-7 | |
| | CII-K | III-B | A3-6,7 | |
| | CII-EF | IV-C | C1-12 | |

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[a] An "x" within a table means that there is a separate table for each model. "x" stands for the number of the model chapter.

Table 1-1 (cont.)

| | | LOCATION | | |
|---|---|---|---|---|
| **TEXT/TABLE** | **SAMPLE** | **Volume** | **Table/ Exhibit Number**[a] | **TYPE OF INFORMATION** |
| Distribution of Father's Education | CIII-K | IV-C | C1-3 | Sponsor level FT/NFT categorical breakdown |
| | CIII-EF | IV-C | C1-8 | |
| | CII-K | III-B | A3-8,9 | |
| | CII-EF | IV-C | C1-13 | |
| Distribution of Mother's Occupation | CIII-K | IV-C | C1-4 | Sponsor level FT/NFT categorical breakdown |
| | CIII-EF | IV-C | C1-9 | |
| | CII-K | III-B | A3-10,11 | |
| | CII-EF | IV-C | C1-14 | |
| Distribution of Father's Occupation | CIII-K | IV-C | C1-5 | Sponsor level FT/NFT categorical breakdown |
| | CIII-EF | IV-C | C1-10 | |
| | CII-K | III-B | A3-12,13 | |
| | CII-EF | IV-C | C1-15 | |
| TEACHERS' PERCEPTIONS OF THE MODEL | | | | |
| Teacher Background Characteristics | CIII-K | IV-C | Cx-IIIK-3 | Sponsor level FT/NFT and site level FT/NFT descriptive statistics |
| | CIII-EF | IV-C | Cx-IIIEF-3 | |
| | CII-K | III-B | Ax-2 | |
| | CII-EF | IV-C | Cx-IIEF-3 | |
| Standardized Scores on Teacher Clusters | CIII-K | IV-C | Cx-IIIK-4 | Sponsor level FT/NFT and site level FT/NFT cluster means (including those within .25 S.D.) |
| | CIII-EF | IV-C | Cx-IIIEF-4 | |
| | CII-K | III-B | Ax-4 | |
| | CII-EF | IV-C | Cx-IIEF-4 | |

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[a] An "x" within a table means that there is a separate table for each model. "x" stands for the number of the model chapter.

Table 1-1 (cont.)

| TEXT/TABLE | SAMPLE | LOCATION | | TYPE OF INFORMATION |
|---|---|---|---|---|
| | | Volume | Table/ Exhibit Number[a] | |
| PARENTS' PERCEPTIONS OF THE MODEL | | | | |
| Standardized Scores on Parent Factors | CIII-K | IV-C | Cx-IIIK-5 | Sponsor level FT/NFT and site site level FT/NFT factor means (including those within .25 S.D.) |
| | CIII-EF | IV-C | Cx-IIIEF-5 | |
| | CII-K | III-B | Ax-5 | |
| | CII-EF | IV-C | Cx-IIEF-5 | |
| ENTRY-EXIT EFFECTS | | | | |
| Means and Standard Deviations for the Outcomes | CIII-K preschool | IV-C | Cx-IIIK(PS)-24 | Sponsor level FT/NFT and site level FT/NFT descriptive statistics |
| | CIII-K | IV-C | Cx-IIIK-24 | |
| | CIII-EF | IV-C | Cx-IIIEF-24 | |
| | CII-K | III-B | Ax-15 | |
| | CII-EF | IV-C | Cx-IIEF-24 | |
| Means and Standard Deviations of the Outcome Measures for the FT and NFT Children in the Cohort III-K Preschool Sample (Sponsor Level) | CIII-K preschool | IV-C | Cx-IIIK(PS)-29 | Sponsor level FT/NFT descriptive statistics for each preschool group |
| Means and Standard Deviations of the Outcome Measures for the FT and NFT Children in the Cohort III-K Preschool Sample (Site Level) | CIII-K preschool | IV-C | Cx-IIIK(PS)-30 | Site level FT/NFT descriptive statistics for each preschool group |

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[a] An "x" within a table means that there is a separate table for each model. "x" stands for the number of the model chapter.

Table 1-1 (cont.)

| TEXT/TABLE | SAMPLE | LOCATION | | TYPE OF INFORMATION |
|---|---|---|---|---|
| | | Volume | Table/ Exhibit Number[a] | |
| Correlation of Covariates and Outcomes | CIII-K preschool | IV-A | A4-1 | Correlations for FT and NFT separately |
| | CIII-K | IV-A | A4-1 | |
| | CIII-EF | IV-A | A4-1 | |
| | CII-K | III-B | A4-3,4 | |
| | CII-EF | IV-A | A4-1 | |
| Regression Coefficients for the Covariates in the Local Analysis | CIII-K preschool | IV-C | Cx-IIIK(PS)-25 | Sponsor level covariate regression coefficients and their standard errors |
| | CIII-K | IV-C | Cx-IIIK-25 | |
| | CIII-EF | IV-C | Cx-IIIEF-25 | |
| | CII-K | III-B | Ax-25 | |
| | CII-EF | IV-C | Cx-IIEF-25 | |
| Regression Coefficients for the Covariates in the Pooled Analysis | CIII-K preschool | IV-A | Ex. A4-3 | Total NFT covariate regression coefficients |
| | CIII-K | IV-A | Ex. A4-3 | |
| | CIII-EF | IV-A | Ex. A4-3 | |
| | CII-K | III-B | A4-5 | |
| | CII-EF | IV-A | Ex. A4-3 | |
| Adjusted Differences Between FT and NFT | CIII-K preschool | IV-C | Cx-IIIK(PS)-26 | Site level treatment effects and associated statistics |
| | CIII-K | IV-C | Cx-IIIK-7 through 21 | |
| | CIII-EF | IV-C | Cx-IIIEF-7 through 21 | |
| | CII-K | III-A | X-2 through x-9 | |
| | | III-B | Ax-6 through Ax-12 | |
| | CII-EF | IV-C | Cx-IIEF-7 through 21 | |
| Proportion of Attrition and Descriptive Information | CIII-K | IV-C | Cx-IIIK-6 | Site level descriptive statistics for pretest and income for subgroups in Attrition Study |
| | CII-K | III-B | Ax-13 | |

[a] An "x" within a table means that there is a separate table for each model. "x" stands for the number of the model chapter.

Table 1-1 (cont.)

| TEXT/TABLE | SAMPLE | LOCATION |  | TYPE OF INFORMATION |
|---|---|---|---|---|
|  |  | Volume | Table/ Exhibit Number[a] |  |
| Magnitude of Adjustment | CIII-K preschool | IV-A | A4-8,10 | Site level adjustments made for each outcome |
|  | CIII-K | IV-A | A4-9,11 |  |
|  | CIII-EF | IV-A | A4-14,15 |  |
|  | CII-K | IV-A | A4-12,13 |  |
|  | CII-EF | IV-A | A4-16,17 |  |
| NATIONAL NORM COMPARISONS |  |  |  |  |
| Standardized Scores | CIII-K preschool | IV-C | Cx-IIIK(PS)-22 | Sponsor level FT/NFT and site level FT/NFT descriptive statistics for standardized scores for selected outcomes |
|  | CIII-K | IV-C | Cx-IIIK-22 |  |
|  | CIII-EF | IV-C | Cx-IIIEF-22 |  |
|  | CII-K | III-A | x-10 |  |
|  | CII-EF | IV-C | Cx-IIEF-22 |  |
| EFFECTS BY TYPE OF PRESCHOOL |  |  |  |  |
| Treatment Regression Coefficients and Standard Error by Outcome for the Preschool Blocked Local Analysis | CIII-K preschool | IV-C | C1-28 | Sponsor level treatment effects and associated statistics |
| Treatment Regression Coefficients and Standard Errors by Outcome for the Preschool Blocked Pooled Analysis | CIII-K preschool | IV-C | C1-29 | Sponsor level treatment effects and associated statistics |

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[a] An "x" within a table means that there is a separate table for each model. "x" stands for the number of the model chapter.

confound socioeconomic disadvantage with earlier educational efforts (e.g. Head Start). The second index, the Ethnic-Linguistic Discrepancy Index, is constructed from two other background variables: ethnic group membership and primary language spoken in the home. This second index combines two categorical variables which again reflect the child's background.

These measures give us information about the relative socioeconomic "advantage" or "disadvantage" of a site and the relative ethnic-linguistic composition of a site. In developing these two separate indices, we are not suggesting that we have identified two independent dimensions. We realize that they are not. Rather, we trust that this collapsing of many variables into two general indices will facilitate the reader's comparison of various groups. For the reader who is interested, the Distribution of Background Variables Tables, mentioned above, provide the descriptive statistics for two of the input variables: percentage of mothers who graduated from high school and percentage of households headed by females. The descriptive statistics for the other input variables are located in the Means and Standard Deviations for the Covariates Tables. For the Cohort III-K preschool adjusted analyses, similar data are reported in the Background Variables for FT and NFT children in the Cohort III-K Preschool Sample Tables. (See Table 1-1 for their specific location.)

Each discrepancy index was constructed* by aggregating individual child characteristics at the site level (separately for FT and NFT). These indices are directional, that is, each variable entering into them retains its sign. For most sites, all variables within an index will have the same sign.

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* Each index was constructed as follows:

(1) FT and NFT site means on each background measure entering into the construction of a particular index were placed on a standardized distribution (mean=0, standard deviation=1), thus giving equal weight to each input variable. (The standardization process used the unweighted means for FT and NFT sites as units.)

(2) The mean of all NFT site standardized means was calculated for each background measure.

(3) The deviation between each FT site mean and the mean of NFT means was then calculated for each background measure (FT site mean - NFT mean of means) and summed (respecting sign) to arrive at a measure of discrepancy between each FT site group and the mean of NFT site groups. Similarly, the deviation between each NFT site mean and the mean of NFT means was calculated for each background measure (NFT site mean-NFT mean of means) and summed (respecting sign) to arrive at a measure of discrepancy between each NFT site group and the mean of NFT site groups.

Within each cohort stream we have ordered the site groups on each of the two measures in three different ways. First, we ordered only the FT groups. This ordering permits the reader to ascertain the position of a site FT group relative to all other site FT groups; it does not permit comparison with the NFT groups. Second, we ordered only the NFT groups. This ordering permits a comparison of a site's NFT group with all the other NFT groups. Third, we ordered all the FT and the NFT site groups. This permits a direct comparison of a given site's FT group and its NFT group on the same scale. These three different methods of ordering provided us with three distributions, which we divided into quarters. Quarter 1 contains sites with the greatest relative disadvantage; quarter 4, the sites least disadvantaged.

We present quarters rather than percentiles because we believe it is easier to comprehend differences between groups in terms of quarters than percentiles. Figure 1-1 is an example of our presentation of the quarters for each of the distributions for the Socioeconomic Discrepancy Index. (The Ethnic-Linguistic Table is similar.) Within the model chapters we discuss the variability of FT and NFT site groups as they are ordered on the combined FT and NFT distribution.

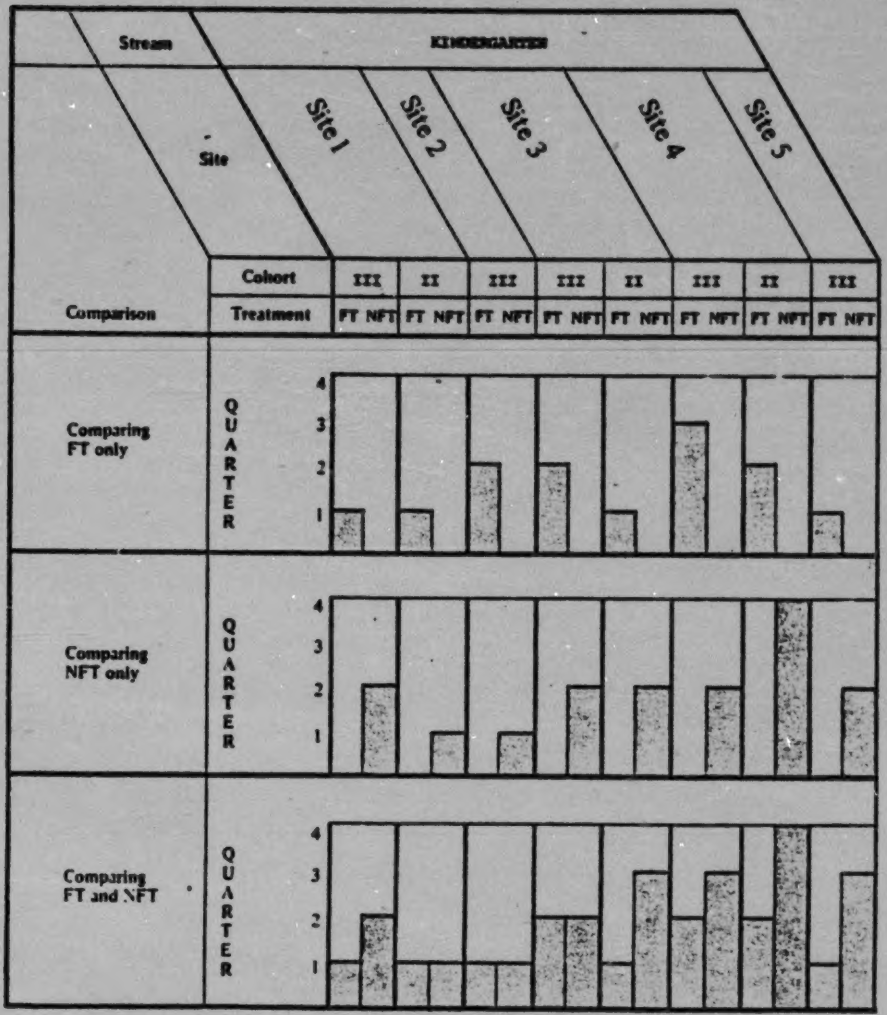
To recapitulate: each of the three sections of the figure compares the location of a given site's score with the location of other sites' scores on a distribution. This location, within a quarter of the distribution, is represented by the horizontal line at the top of the shaded area. Three different distributions are presented, which permit three different kinds of comparisons: the distribution of Follow Through groups only, the distribution of non-Follow Through groups only, and the distribution of all groups, Follow Through and non-Follow Through.

The index value for each site on each of the indices is reported in the Values of Socioeconomic and Ethnic-Linguistic Discrepancy Indices Tables. The range of values included in each quarter for each input variable is shown in The Range of Background Variables for Each Quarter Tables. (The specific location of each of these sets of tables is noted in Table 1-1.)

Many other variables (e.g. pretest) might have been used in our discussions of the samples. While we have not done so, the interested reader may explore these data in the Background Variables and Covariate tables indicated in Table 1-1. Many other breakdowns of background data are available as indicated in the Sample Description section of Table 1-1.

Figure 1-1

RANKINGS ON THE SOCIOECONOMIC DISCREPANCY INDEX FOR (MODEL) SITES



## Teachers' and Parents' Perceptions of the Model

We assess the reported attitudes and behaviors of FT teachers* or parents on a series of scales. These scales were developed from a Teacher Questionnaire and a Parent Interview respectively. Various items** from the Teacher Questionnaire which was administered to third grade teachers were empirically selected and grouped into five scales, the first four of which serve as indicators*** of the teachers' perceptions of their classroom environment. The scales are:

- Teacher-Centeredness -- the degree to which the classroom is controlled and structured by adults;
- Flexible Classroom -- the degree to which children work independently and exercise freedom of choice;
- Individualization of Instruction -- emphasis on small group instruction;
- Academic (vs. Emotional) Emphasis -- the degree to which teachers emphasize basic skills rather than social-emotional development; and
- Satisfaction with Sponsor -- teacher's assessment of the attractiveness of Follow Through and of the sponsor's approach.

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* Background data on teachers are reported in Teachers' Background Characteristics Tables. (See Table 1-1 for their specific location.)

** The specific items used are reported in Table 2-4 of Volume IV-A.

*** We emphasize the term indicator since we have no way of knowing to what external comparison the teachers were comparing their own reported teacher practices when they responded to the forced choice and Likert scale items. Moreover, our clustering of the items for the first four scales is based on simultaneous analysis of all Follow Through and non-Follow Through teachers. The clustering of the fifth scale is based on the responses of all Follow Through teachers. Consequently, the constructed clusters may not be entirely appropriate for a specific sponsor's model. The low overall cluster reliabilities and the variability among the reliabilities for each model (Appendix Tables A2-1 to A2-3) indicate that this is the case.

Selected items* from the Parent Interview administered to parents in the spring of their children's third grade year have been empirically constructed into thirteen scales. These scales serve as indicators of the parents' involvement in the educational processes of their children. The thirteen scales** have been grouped into four sets:

## School Impact on Child

- School Helped Children -- parents' perception that school enhanced child's development in a variety of social, cognitive, and academic areas;
- Parent Satisfied with Child's Progress in School -- parents' perception that child is progressing satisfactorily and will continue to do so;
- Child's Emotional Adjustment -- parents' perception that school helped them to participate in child's education; and
- School Receptivity -- parents' perception of school's responsiveness to their inputs.

## Parent Activity

- Parent Advisory Council (PAC) Involvement -- parent is or has been participating member;
- Parent Visits to School -- number of visits to school and program personnel.
- School Helped Parent Personally -- degree of help parent has received from child's school; and
- Talks with Teachers -- parent discusses child's education with teacher.

## Parent Child Interaction

- Child Reads at Home -- amount of time child reads at home and to whom;
- Child Read to at Home -- number of times child read to and by whom; and
- Parent-Child Interaction -- amount of interaction about school-related topics and time spent reading together.

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* The specific items used are reported in Table 2-5 of Volume IV-A.

** There are some minor differences between these scales and those reported in Volume III. In general, the meaning of scales with similar names has not changed.

Parent Locus

- Parent Locus -- parents' perception of control over their own environment.

Each of the teacher and parent scales has been standardized to a mean of 50 and a standard deviation of 10 for all FT and NFT respondents* within each cohort stream. For each site, we include in our tables (see Table 1-2 as an example) teachers' and parents' scale scores which exceed one-quarter of a standard deviation (2.5 points) in either direction. For example, in Table 1-2, the teachers in site 1 report a higher degree of teacher-centeredness than average (54.4). They also report a higher than average degree of satisfaction with their sponsor (52.8). They report, however, less than average academic emphasis (44.7) than do FT and NFT overall. The teachers in this site report an average amount of classroom flexibility and individualization (no means reported for these scales).

In our discussions of the teachers clusters, each cluster is treated as an individual scale. Because there are so many parent factors**, we discuss only the combined scales: School Impact on Child, Parent Activity, Parent Child Interaction, and Parent Locus.

We did not set a minimum number of respondents for the teacher or the parent data. Instead we have calculated summary statistics on all available third grade data for each treatment group within a site.*** In some cases, the sample sizes are very small but presumably are representative of the children's teachers and parents. When the sample size within

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* We make one exception with the Teachers' Satisfaction with Sponsor scale. This measure is only applicable to FT teachers. Hence the comparison group includes all FT teachers only.

** The teacher scales are called clusters and the parent scales are called factors because they were developed empirically through cluster analysis and factor analysis respectively. Chapter Two of Volume IV-A discusses these procedures.

*** For Cohort III-K, the data are for the Cohort III-K total sample, not the Cohort III-K preschool sample.

## Table 1-2
(Table X-1 in each model chapter)

## SELECTED STANDARDIZED SCORES* FOR TEACHER CLUSTERS AND PARENT FACTORS BY SITE BY COHORT STREAM FOR (MODEL)

| Stream | KINDERGARTEN | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Site | Site 1 | | Site 2 | Site 3 | | Site 4 | | Site 5 |
| Cohort | III | II | III | III | II | III | II | III |
| **TEACHER CLUSTERS** | | | | | | | | |
| Teacher Centered | 54.4 | | | | | 56.7 | | 46.4 |
| Flexible Classroom | | | | 58.1 | 54.8 | | | |
| Individualization | | 44.1 | 60.0 | | 54.1 | 58.6 | 62.1 | |
| Academic (vs. Emotional) Emphasis | 44.7 | 46.6 | | 46.9 | | 46.2 | 54.6 | 52.5 |
| Satisfaction with Sponsor | 52.8 | 52.9 | | 57.1 | 54.6 | 62.3 | 52.6 | |
| Range of N's | 5-6 | 5-6 | 16 | 9 | 10-11 | 5 | 7 | 5 |
| **PARENT FACTORS** | | | | | | | | |
| **School Impact on Child** | | | | | | | | |
| School Helped Child | 53.5 | 45.7 | | | | 53.4 | | 46.4 |
| Child's Progress in School | | | | 53.8 | | 47.0 | | 46.9 |
| Child's Emotional Adjustment | | 45.8 | 55.8 | | | 53.1 | | |
| School Helped with Child | 56.2 | 46.8 | | | | 53.6 | | 54.9 |
| School's Receptivity | 41.8 | 44.2 | | 53.7 | | 45.1 | | |
| **Parent Activity** | | | | | | | | |
| Talks with Teacher | 47.5 | | | | 54.7 | | | 45.7 |
| PAC Involvement | 47.4 | | 60.5 | 60.4 | | | | 52.6 |
| Parent Visits to School | 47.1 | | 54.4 | 56.4 | | | | |
| School Helped Personally | | | 54.1 | 52.5 | | 53.6 | | 53.0 |
| **Parent Child Interaction** | | | | | | | | |
| Child Read to at Home** | 45.2 | | 55.0 | 46.6 | | | | |
| Child Reads at Home** | 42.7 | | | | | 44.0 | | 46.6 |
| Parent Child Interaction | ▨ [illegible] | | ▨ [illegible] | ▨ [illegible] | 44.0 | ▨ [illegible] | | ▨ 42.3 |
| **Parent Locus** | | | | | | | | |
| Parent Locus | 54.7 | | 53.6 | | | | | 59.6 |
| Range of N's | 15 | 15-32 | 32-37 | 38 | 21-32 | 29-32 | | 23-24 |

Notes: ▨ Untrustworthy: reliability less than .40.

*All teacher and parent attitudes are standardized with a mean of 50 and a standard deviation of 10. Only scores which are based upon four or more responses and deviate from the mean by one-quarter of a standard deviation or more appear on this table.

**Parent factors for Child Read to at Home and Child Reads at home were not calculated for the Cohort II' Kindergarten stream.

a site drops below four, the scale means are not recorded on the tables in the model chapter.* However, the number of parents or teachers is noted on the chapter table. (See Range of N's.)

We have calculated reliability (internal consistency) coefficients for the teacher and parent scales by model for each cohort stream. Where we find that the reliability for a particular scale within a model falls below .40, we have concluded that the scale is unstable and have excluded any discussion of it from the model chapter. These reliability coefficients are reported in Tables A2-1 through A2-6 of the Appendix to Volume IV-A.

Although scale means which are within one quarter of a standard deviation of the grand FT/NFT mean are excluded from the teacher and parent tables in the model chapters, they are presented in the Standardized Scores for Teacher Clusters and Standardized Scores for Parent Factors tables in the appendix. (See Table 1-1 for their specific location.)

## Effects on Children

### Entry-Exit Effects

In the Entry-Exit study we explore the results of a model working with children for either three (entering first stream) or four (entering kindergarten stream) years in terms of adjusted** effects on fifteen separate outcome measures for each site within each cohort stream. To simplify the presentation of results, eleven of the fifteen measures have been grouped into three outcome domains as follows:

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* All means (including those with N's below four) are reported in the appendix on the Standardized Scores for Teacher Clusters and Standardized Scores for Parent Factors Tables. (See Table 1-1 for their specific location.)

** Two types of adjusted analyses were performed: local and pooled. In each type of analysis, the comparison group is the local NFT; however, the adjustment models for these analyses are generated using either the sponsor's model's own (local) FT and NFT groups (for the local analysis) or all NFT (for the pooled analysis). Chapter Four of Volume IV-A describes these adjustment models in greater detail.

- Tests of the basic skills domain include the Word Knowledge, Spelling, Language, and Math Computations sections of the Metropolitan Achievement Test (MAT)
- Tests of the cognitive conceptual skills domain include the Reading, Math Concepts, and Math Problem Solving subtests of the Metropolitan Achievement Test (MAT) as well as the Raven's Progressive Matrices
- Tests of the affective domain include the Coopersmith Self-Esteem Inventory, the Intellectual Achievement Responsibility Scale [IARS (+) and the IARS (-)]

We have displayed the results of the FT/NFT adjusted comparisons on these measures for each model in a single Summary of Effects table in each chapter. Results are broken down by sites within cohort streams, and within sites, by either local or pooled NFT comparisons.* The presence of a "plus" (+) in an individual cell in this table (See Table 1-3 for an example.) indicates that the Follow Through group performed significantly better than expected given the performance of a similarly disadvantaged non-Follow Through comparison group. The presence of a "minus" (-) in an individual cell indicates that the Follow Through group performed significantly less well than expected given the performance of a similarly disadvantaged non-Follow Through comparison group. The presence of a "null" ( ) in an individual cell indicates that our analyses do not discern a significant difference between the performance of the Follow Through and the non-Follow Through groups.

For an effect to be considered either positive or negative, it must be both statistically significant and material. To attain satistical significance, the effect must be approximately two times larger than its standard error (.05 level). To attain materiality, an effect

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* All effects reported in Volume IV-B have been adjusted for selected background characteristics. These adjusting variables and the adjustment models used for adjustment are discussed in Chapter Four in Volume IV-A.

## Table 1-3
(Table X-2 in each model chapter)

## SUMMARY OF EFFECTS FOR (MODEL)

| Stream | | KINDERGARTEN | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | | Site 1 | | | | Site 2 | | Site 3 | | | | Site 4 | | | | Site 5 | |
| Cohort | | III | | II | | III | | III | | II | | III | | II | | III | |
| Domain | Outcome Measure / Analytic Comparison | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled |
| BASIC SKILLS | Word Knowledge | - | - | | - | | ☐ | + | + | | - | | | ▨ | - | ☐ | - |
| | Spelling | - | - | | ▨ | | ☐ | + | + | | ▨ | | - | ▨ | ▨ | - | - |
| | Language | | | | | | ⊞ | ⊞ | + | | | | | ▨ | | | ⊞ |
| | Math Computations | | | | - | | ▨ | + | + | | ▨ | | | ▨ | ▨ | | + |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | ☐ | | | | | | | | - | | | ▨ | | | |
| | Reading | | | ▨ | | | | + | + | ▨ | | | | ▨ | | | ⊟ |
| | Math Concepts | | | ▨ | | | | + | ⊞ | ▨ | + | | | ▨ | + | | |
| | Math Problem Solving | | | | ▨ | | | | ⊞ | | - | | | ▨ | | | |
| AFFECTIVE MEASURES | Coopersmith | | | | ▨ | | | | ⊞ | | + | | | ▨ | + | | ▨ |
| | IARS (–) | | | | + | | ☐ | | | | | | | ▨ | | | |
| | IARS (+) | | ☐ | | ▨ | | ⊞ | | | | | | - | ▨ | | | |
| | Total Reading | | ⊟ | ▨ | - | | ☐ | + | + | ▨ | - | | | ▨ | - | | - |
| | Total Math | | | | ▨ | | | + | + | ▨ | - | | | ▨ | | | ⊞ |
| | Language Part A | | | ▨ | ▨ | | | | | ▨ | | | | ▨ | | | ⊞ |
| | Language Part B | | | | | | ⊞ | + | + | | ▨ | | | ▨ | - | | ⊞ |

| NATIONAL NORMS* | | Site FT Sample* | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Outcome Measures | MAT Sample | | | | | | | | |
| Reading | 20% | 75 | 74 | 45 | 35 | 53 | 60 | 75 | 54 |
| Math | 12% | 54 | 57 | 29 | 42 | 34 | 49 | 52 | 29 |
| Spelling | 22% | 63 | 64 | 42 | 40 | 50 | 59 | 64 | 45 |
| Language** | 14% | 77 | | 76 | 63 | | 73 | | 64 |

Notes:

* In terms of percentage of children performing one or more years below grade level.

** No national norms comparisons were made for Cohort II-K children on the Language subtest.

+ FT-favoring effect

- NFT-favoring effect

blank Null effect

☐ Preschool Adjustment changes effect

▨ Untrustworthy effect

42

must be equal to or greater than one quarter of the standard deviation* of the relevant outcome measure.**

These effects are based on analyses which were designed to compensate to the fullest possible extent for treatment/comparison group initial differences. While many believe that the analysis of covariance is adequate to adjust for initial differences; others do not. We believe that while the analysis of covariance is adequate for much of our data, the procedure occasionally resulted in some very large adjustments. We question those effects which are associated with such large adjustments*** and have shaded specific outcomes on the Summary of Effects Tables when the adjustments are large. With the shading process, the interested reader is able to observe the questioned results even though we do not discuss them in the text.

The type of preschool experience each child had is an important pretreatment variable which we have not integrated completely into our analyses. We believe that "large" differences in type of preschool experience between FT and NFT children should be controlled. To date, we have only done this for the Cohort III-K stream. The analyses in other cohort streams do not consider preschool experience and may be criticized when the preschool experience of FT and NFT children differs. Therefore, we used the rule that an effect would not be trusted if it was derived from groups which were mismatched by 50 percent or more in terms of preschool attendance.* That is, for example, if 80 percent of the FT children and 20 percent of the NFT children, or zero percent of the FT children and 52 percent of the NFT children in a given site attended some form of preschool we did not trust the effects produced by our analyses in that site. On the other hand, if 33 percent of FT children and 47 percent of NFT children attended preschool, we believed the mismatch to be of relatively little consequence and therefore trust the analysis of that site. When the groups are mismatched by 50 percent or more we shade the entire site column of effects.

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* The standard deviation used as a criterion for judging the materiality of effects was calculated by removing between-site variance from the raw standard deviation based on all children in the analytic sample. Operationally this was accomplished by performing a one-way ANOVA on each outcome measure, where each site was a cell in the design. The square root of the $MS_w$ from the ANOVA is then the standard deviation of the outcome measure with between-sites variance removed.

** Many different types of supporting data have been included in this report. Specifically, see the following types of tables: Means and Standard Deviations for the Outcomes; Correlation of Covariates and Outcomes; Regression Coefficients for the Covariates in the Local Analysis; Regression Coefficients for the Covariates in the Pooled Analyses. (See Table 1-1 for their specific location.)

*** Chapter Four of Volume IV-A provides specific detail. In general, we mistrust any local effect estimate whose adjustment exceeds half a standard deviation of the outcome measure, where the standard deviation is the same one that we used in judging the materiality of the adjusted effects (that is, the pooled within-site standard deviation of the FT and NFT children combined).

As mentioned above, the effects reported for Cohort III-K are based upon a local or pooled preschool adjusted analysis. If the local or pooled preschool adjusted analysis differs from the local or pooled analysis, a box is drawn around the preschool adjusted effects.** (The local and pooled effects are presented in Adjusted Differences between FT and NFT tables. See Table 1-1 for their specific location.) Effects for other cohort streams (Cohort II-K, Cohort III-EF, and Cohort II-EF) are based on the local and pooled analyses. For this reason, the Cohort III-K effects are never shaded due to a preschool mismatch, whereas effects for the other three cohort streams may be shaded.

The Entry-Exit study requires that the child be present and tested both during his entry (kindergarten or first) and his third grade year. Data comparing the Entry-Exit study children with those children who were present and tested at entry but not at third grade (Attrition Study) are reported for Cohort III-K in The Proportion of Attrition and Descriptive Information Tables. (Their location is indicated in Table 1-1.) In general, this study suggests that although attrition rates are high, similar types of children left the FT and NFT groups within sites.

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* For Cohort II-K, II-EF, and III-EF no differentiation was made between types of preschool attendance.

** Differences between the preschool adjusted analyses and those which do not take preschool experience into account are discussed in Chapter Four, Volume IV-A.

For each model, the absolute site, direction, and standard error of all effects for the local and pooled analyses of Cohort III-K preschool adjusted, Cohort III-K, Cohort III-EF, Cohort II-K and Cohort II-EF sites are reported in the Adjusted Differences Between FT and NFT tables. (See Table 1-1 for their location.) These results are reported on tables similar to Table 1-4.* The arrows on these tables represent the size of the effect. An upward pointing arrow with a large arrowhead represents a positive (+) effect. A similar downward pointing arrow represents a negative (-) effect. The size of the statistical adjustments which were made are reported in the Magnitude of Adjustment tables. (See Table 1-1 for their location.)

## National Norm Comparisons

National norm comparisons provide another way of assessing the impact of the different sponsors' models on disadvantaged children. We have calculated the proportion of FT children within each model's sites, broken down by cohort stream, who perform more than one year below grade level on the Total Reading, Total Math, Spelling, and Language sections of the MAT.** (The analysis of Cohort II-K does not include the Language section.) These proportions are reported on the bottom four rows of each

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* The Tables for the Cohort III-K preschool adjusted analyses do not include the figure portion of the table.

** To compute the percentage of FT children in a site who scored one or more years below grade level we:

1) Obtained the publisher's standard score for the 50th percentile rank using the publisher's Standard Score to Percentile Rank and Stanine Conversion Table.

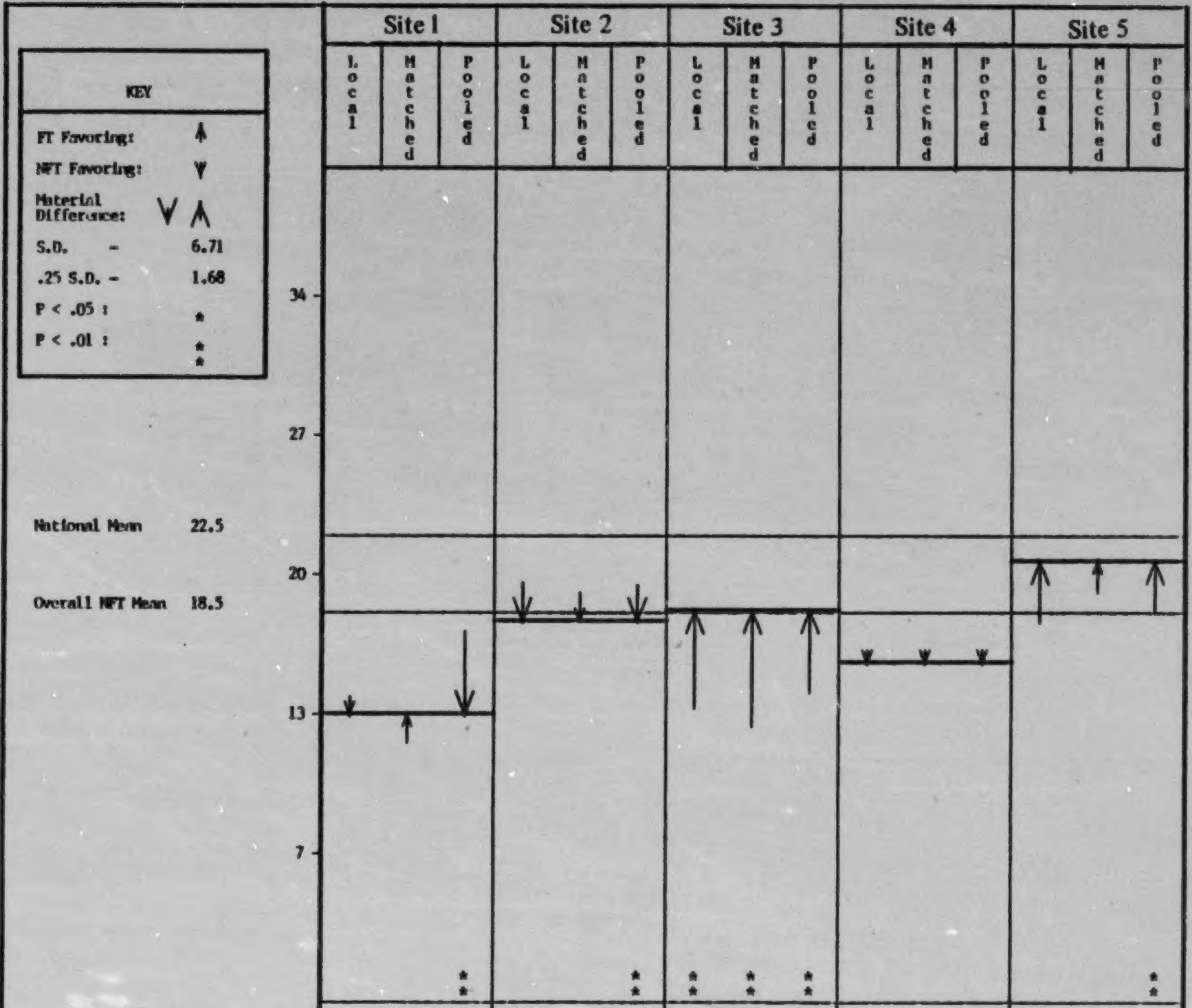
2) Determined the publisher's grade equivalent for that standard score using the publisher's Standard Score to Grade Equivalent (G.E.) Conversion Table.

3) Determined the publisher's standard score for the grade equivalent 1.0 years below the grade equivalent determined in step 2 using the above table (step 2).

4) Determined the percentage of children in our site groups who attained a score less than the standard score ascertained in step 3.

## Table 1-4

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT III KINDERGARTEN SITES IN THE MODEL



| | Site 1 | | | Site 2 | | | Site 3 | | | Site 4 | | | Site 5 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | | ** | | | ** | ** | ** | ** | | | | | | ** |
| Magnitude of Effect | -0.89 | 1.28 | -3.98 | -1.90 | -1.30 | -1.74 | 4.66 | 5.53 | 3.95 | -0.09 | -0.06 | -0.04 | 2.95 | 1.49 | 2.43 |
| Standard Error | 1.34 | 2.33 | 0.58 | 1.79 | 1.94 | 0.53 | 1.51 | 1.74 | 0.83 | 1.33 | 1.07 | 0.52 | 1.80 | 1.32 | 0.77 |
| FT Mean | 13.57 | | | 18.09 | | | 18.57 | | | 16.04 | | | 20.94 | | |
| No. of FT Children | 70 | | | 133 | | | 144 | | | 118 | | | 82 | | |
| Matched NFT Site | Site 10 | | | Site 15 | | | Site 12 | | | Site 7 | | | Site 25 | | |

sponsor's Summary of Effects table. (See Table 1-3.) In the norming population, the percentage of the children scoring one year or more below grade level varies: Total Reading (20 percent), Total Math (12 percent), Spelling (22 percent) and Language (14 percent). In our discussions, we note those sites in which the proportions of children performing one year or more below grade level is less than that proportion in the norming population. We also report Grade Equivalents and Percentiles in Standardized Scores Tables. (See Table 1-1 for their location.)

## Effects by Type of Preschool Experience

Follow Through was originally designed to sustain and build on children's Head Start or other comparable preschool experiences. However, children who have had no preschool experience also attend Follow Through. Just as models have been differentially effective in general, they may be differentially effective with children who have had different types of preschool experience.

We have analyzed FT/NFT effects by types of preschool experiences only in Cohort III-K. Within the sample of FT and NFT children where we have information about prior preschool experiences (the sample analyzed in the preschool adjusted analyses) we have constructed three exclusive groups:*

- Head Start graduates: those children whose prior preschool experience has been a Head Start program
- Children with Some Preschool: those children who have had some other kind of preschool experience
- Children with No Preschool: those children who have never been enrolled in a preschool program prior to their entry into kindergarten

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* Our definitions of these groups are based on data collected after the children entered Follow Through. The reader who is aware of the difficulties involved with using such data collected after the fact may wish to read our discussion of the development of these categories which is in Exhibit A4-4 in the Appendix to Volume IV-A.

For each model, we then compute sponsor-level local and pooled effects within the exclusive preschool groups. As discussed in Chapter Four in Volume IV-A, we have only conducted these analyses at the sponsor level. We have too few cases within each preschool group at the site level to estimate effects. These results are then reported in a Sponsor Level Summary of Effects Table. (See Figure 1-2 for an example.) The absolute size, direction and standard error of these effects are reported in the Treatment Regression Coefficients and Standard Errors for the Preschool Blocked Pooled/Local Analyses tables. (See Table 1-1 for their location.)

### Longitudinal Effects

We have also traced the effects of sponsors' models over time with a longitudinal sample of children in Cohort III-K. That is, we have assessed children's performance during two separate time periods: the first two years of the program (kindergarten and first grade) and the last two years (second and third grades) on four achievement measures included in the MAT: Total Reading, Total Math, Math Concepts, and Math Computations. We have analyzed the relative progress of the FT children in each model for each of the four outcome measures and identified children who progressed more than, equal to, and less than NFT children in each interval.

The rationale for this approach to the longitudinal analysis is discussed extensively in Chapter Two of Volume IV-D. The results for all models on which we have conducted this longitudinal analysis are presented in Chapter Four of Volume IV-D. Supporting analyses and tables will be found in the Appendix to Volume IV-D.

### Summary

We close each chapter with a brief review of the model description, the teacher and parent perceptions, and a summary of the performance of the children on the outcome battery. In this summary we report the percentage of positive, null, and negative effects within each domain at the sponsor level. To compute these percentages, we added the effects across all the sites, across both the local and pooled analyses, across all four cohort streams. (We used the preschool adjusted analyses for Cohort III-K.)

Figure 1-2
(Figure X-3 in each model chapter)

## SPONSOR LEVEL SUMMARY OF EFFECTS FOR (MODEL)

| | Analysis | Preschool Blocked Local Analysis | | | Preschool Blocked Pooled Analysis | | |
|---|---|---|---|---|---|---|---|
| Domain | Preschool Experience<br>Outcome Measure | Head Start | Some Preschool | No Preschool | Head Start | Some Preschool | No Preschool |
| BASIC SKILLS | Word Knowledge<br>Spelling<br>Language<br>Math Computations | | | | | | |
| COGNITIVE CONCEPTUAL SKILLS | Raven's<br>Reading<br>Math Concepts<br>Math Problem Solving | | | | | | |
| AFFECTIVE MEASURES | Coopersmith<br>IARS (−)<br>IARS (+) | | | | | | |
| | Total Reading<br>Total Math<br>Language Part A<br>Language Part B | | | | | | |

Notes:
+ FT-favoring effect
− NFT-favoring effect
blank Null effect
▨ Sample size of less than 30 children

In conclusion, the present chapter is intended to facilitate the reader's understanding of the chapters that follow and to serve as a reference when the reader does not understand some of our conventions. We hope that the references to the various types of appendix tables will aid the reader in using the table of contents to find specific supplementary materials.

# CHAPTER TWO

## RESPONSIVE EDUCATION MODEL
Far West Laboratory for Educational Research and Development

### The Model

The goals of the Responsive Education Model are for learners to develop problem solving abilities, healthy self-concepts, and culturally pluralistic attitudes and behaviors. Attainment of these goals and program objectives requires that the learning environment support productive child-centered learning and that the curriculum content and skills be relevant to the children's experiences outside the classroom.

The essence of this program has been described as follows:

> The Responsive Program is based on beliefs in building a pluralistic society and in strengthening children as individuals. Instead of the deficit view of compensatory education that focuses on deficiencies of low income minority children, it adheres to a productive approach of enhancing the values of cultural differences and responding to the strengths of children as individuals...Schools should respond to children and their families rather than vice versa. (Judd and Wood, 1973)

The Responsive Education Model assumes that no single theory of learning can account for all the modes in which children learn; therefore, it seeks to provide a variety of learning experiences which build on the background, culture and lifestyle the child brings into the classroom. The child in a responsive learning environment engages in exploring, raising questions, planning, making choices and setting goals. The child discovers individual self-strengths, preferences, and liabilities. Each child develops a repertoire of abilities for building a broad and varied experiential base as well as self-confidence. The child interacts with all aspects of the educational environment, including other children. Whether individually, or within a group, the child may take on the role of leader, follower, or evaluator. These interactions can be curriculum oriented and may also involve personal and social issues. As the child grows through learning experiences, which address personal and social issues, inquiries are made into the nature of problem solving and the child takes greater responsibility for learning.

The teachers are integral and key contributors in a responsive learning environment. They are skilled observers of the learners in a manner that supports and contributes to the objectives and principles of the Responsive Education Model. The teachers in this model establish an educational climate, develop a curriculum, and facilitate the learner's experiences.

The Responsive Education Model emphasizes the use of parents in meeting the program's objectives. Parents are encouraged to share in policy and curriculum decisions, to participate in the Parent Advisory Council, and to become involved in the classroom. This program provides specific training to help parents extend program objectives into the home. Parents are taught to use games and toys checked out from a toy library, (maintained to provide parents with materials) to teach concepts contributing to program objectices. Parents also meet in workshops where they are taught to make learning aids. Through this training and through the volunteer classroom activities, parents have the opportunity to learn those types of adult-child interactions consistent with the objectives of the program.

In summary, the Responsive Education Model places emphasis on the development of socioemotional growth, together with the development of cognitive skills. This is accomplished by allowing the child to exercise decision making in a variety of structured learning experiences.

## The Responsive Education Model as Realized in Follow Through

The Responsive Education Model is evaluated in eleven sites: Berkeley, CA; Buffalo, NY; Duluth, MN; Fresno, CA; Lebanon, NH; Salt Lake City, UT; St. Louis, MO; Tacoma, WA; Goldsboro, NC; Sumter, SC; and Owensboro, KY. The Responsive Education sponsored sites are represented in both the kindergarten and entering first streams of Cohort III, and in the kindergarten stream of Cohort II.

## Sample Description

As indicated in Figure 2-1, the Responsive Education site groups are fairly evenly distributed over the Follow Through range of socioeconomic status. Local NFT groups are reasonably comparable with their FT groups except in Salt Lake City (Cohort III-K only) and in Owensboro, where FT groups of low SES are paired with substantially better-off NFT comparisons. As indicated in Figure 2-2, the groups in Buffalo, Fresno, St. Louis, Goldsboro, and Sumter include significant ethnic-linguistic minorities; in each case, the FT and NFT groups are comparable.

## Teachers' Perceptions of the Model

The Responsive Education Model stresses a classroom environment, where children can learn at their own pace and where teachers are trained to respond to individual childrens' needs. In Table 2-1 teachers in three of the five Cohort III-K sites report an above average degree of emphasis on individualization; FT teachers in the other sites, Duluth and St. Louis, report a below-average degree of focus on individualization. FT teachers in the remaining two sites are average. We also find comparable patterns of teacher responses on the teacher centeredness, the flexible classroom, and the academic emphasis clusters in Cohort II-K and cohort III-EF sites. This suggests that, based on the teachers' reports, the Responsive Education Model has introduced key elements of its program in the majority of its FT sites.

FT teachers in three of five Cohort III-K sites report above average satisfaction with the sponsor. In Buffalo, Duluth and Fresno, teacher responses in Cohort III-K differ from those in Cohort II-K; in this latter groups, teachers report either average or below average satisfaction with the sponsor.*

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* The sponsor notes that teacher satisfaction is not a delivery objective of the model and should not necessarily be viewed as a measure of the model's effectiveness.

## Figure 2-1
## RANKINGS ON THE SOCIOECONOMIC DISCREPANCY INDEX FOR RESPONSIVE EDUCATION SITES

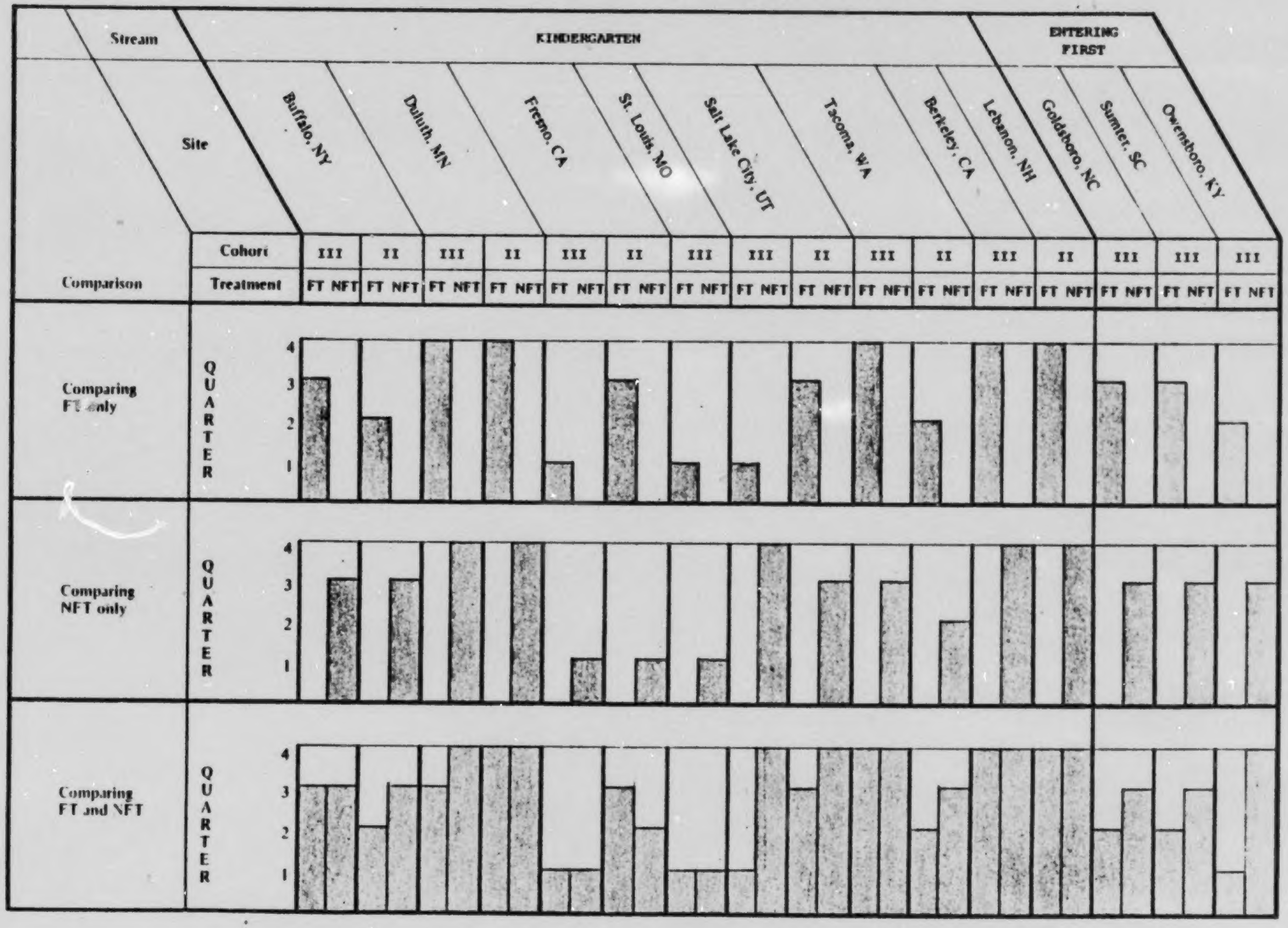
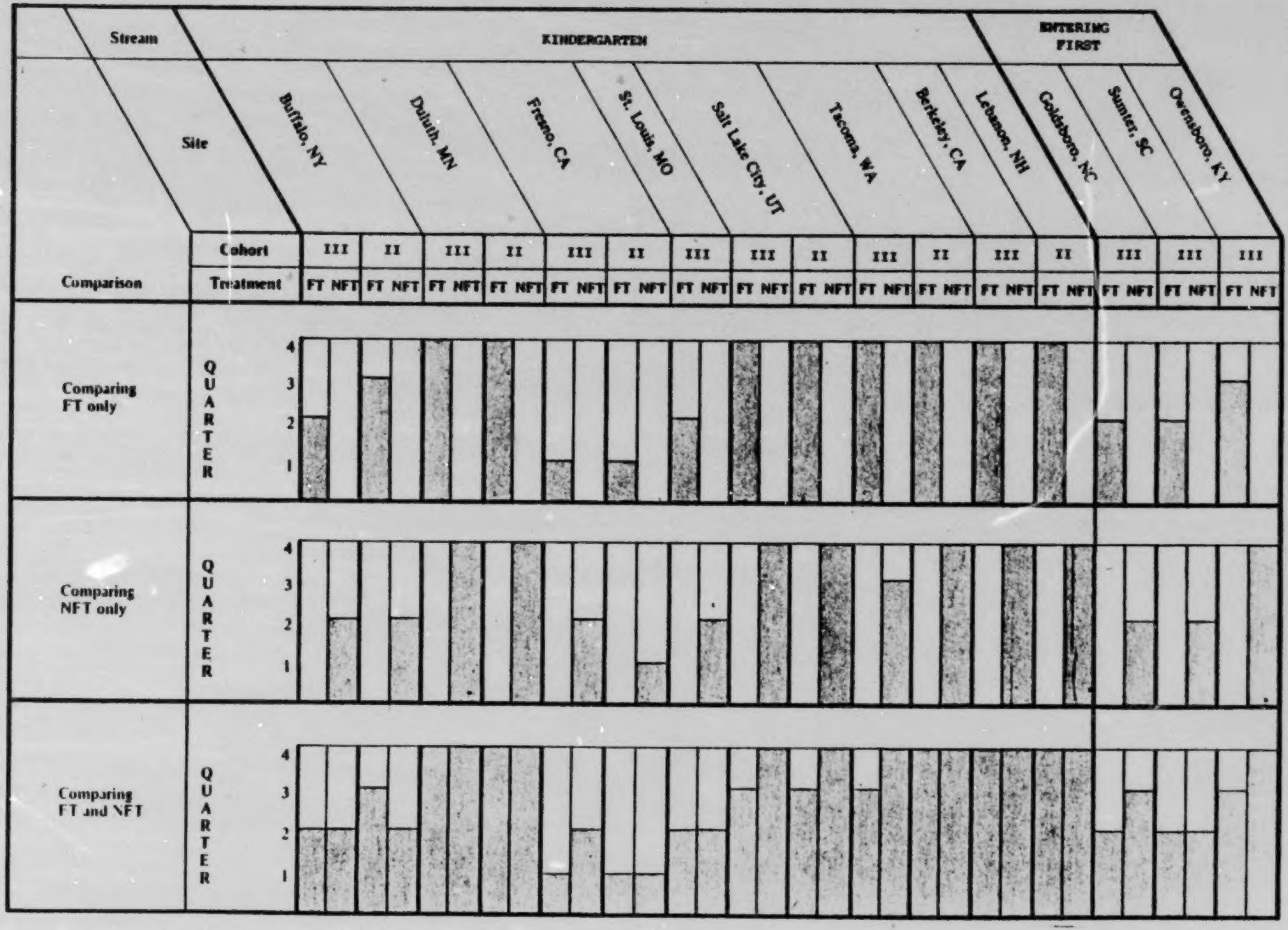


Figure 2-2
RANKINGS ON ETHNIC-LINGUISTIC INDEX
FOR RESPONSIVE EDUCATION SITES



## Parents' Perceptions of the Model

The Responsive Education Model encourages parent involvement in classroom activities and in helping to form educational policies and objectives for the schools. In three of the six Cohort III-K sites, FT parents are above average on at least three of the four scales on the Parent Activity factor (see Table 2-1). In the other three sites, FT parents are usually average in their reported scores on the four scales of this factor. The general pattern of either average or above average parent activities persists in Cohort II-K and Cohort III-EF as well. In other words, parents associated with Responsive Education FT sites report that they are either as actively involved as, or more actively involved than, FT and NFT parents in general, in terms of the four scales of parent activities we have measured.

In the area of parent-child interactions, we find a different pattern. FT parents in four of the six Cohort III-K sites are roughly comparables to or below all FT and NFT parents in their reported scores on the two scales on the Parent Child Interaction factor. Cohort II-K vary among sites and Cohort III-EF parents are average in their reported interactions with their children. In addition, FT parents in all six Cohort III-K sites are above average on at least two of the five scales in the School Impact on Child factor and are ususally average on the remaining three. FT parents in Cohort II-K and Cohort III-EF are also ususally average or above average on the various scales of this factor. FT patents' locus of control, however, varies considerably from site to site within the entering kindergarten streams of Cohort III and Cohort II. FT parents in Cohort III-EF are more uniform in their reported locus of control: they are roughly average with all FT and NFT parents.

## Effects on Children

The Responsive Education Model is based on the proposition that the development of a child's academic skills and socioemotional growth are interdependent. Accordingly, the model provides a learning environment that fosters development of self-concept in the process of problem solving through guided discovery. Thus, one might expect that FT children in Responsive Education sponsored sites would perform better than NFT comparison children on both the affective measures and the cognitive conceptual

# Table 2-1
# SELECTED STANDARDIZED SCORES* FOR TEACHER CLUSTERS AND PARENT FACTORS FOR RESPONSIVE EDUCATION SITES

| Stream | KINDERGARTEN | | | | | | | | | | | | | ENTERING FIRST | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | Buffalo, NY | | Duluth, MN | | Fresno, CA | | St. Louis, MO | Salt Lake City, UT | | Tacoma, WA | | Berkeley, CA | Lebanon, NH | Goldsboro, NC | Sumter, SC | Owensboro, KY |
| Cohort | III | II | III | II | III | II | III | III | II | III | II | II | II | III | III | III |
| **TEACHER CLUSTERS** | | | | | | | | | | | | | | | | |
| Teacher Centered | ▨ 45.6 | | | 44.6 | ▨ 42.6 | | | - - | 36.6 | ▨ 48.6 | 43.9 | 42.5 | 41.3 | | -- | 45.2 |
| Flexible Classroom | 61.8 | 56.3 | 45.0 | | | | 58.0 | - - | 55.6 | 55.8 | 58.1 | 54.0 | 61.7 | 55.2 | | 56.7 |
| Individualization | 58.6 | 56.8 | 44.9 | | 56.1 | | 47.3 | - - | | 56.9 | 52.7 | 56.3 | 55.0 | 53.3 | | 52.0 |
| Academic (vs. Emotional) Emphasis | | 42.2 | | | 46.9 | | 44.1 | - - | 55.0 | 47.5 | | | 36.2 | | | |
| Satisfaction with Sponsor | 56.0 | | | 47.3 | 57.5 | 47.2 | 56.4 | - - | 38.6 | | | 52.6 | 56.4 | 55.4 | | |
| Range of N's | 5 | 4-5 | 4 | 9 | 6 | 6-7 | 4 | 2 | 4 | 6 | 6-7 | 9 | 4 | 10 | 3 | 4 |
| **PARENT FACTORS** | | | | | | | | | | | | | | | | |
| **School Impact on Child** | | | | | | | | | | | | | | | | |
| School Helped Child | | | 54.6 | | | 53.5 | | | | | 55.9 | | 55.7 | | | |
| Child's Progress in School | | | | | | 53.3 | | 52.5 | | 52.8 | | 59.1 | | | | |
| Child's Emotional Adjustment | | | 47.5 | 45.6 | 53.9 | | | | | | 53.3 | | | | | |
| School Helped with Child | 55.4 | 54.0 | 52.5 | | 53.2 | | | | | 53.7 | 55.3 | | | 47.0 | 53.5 | |
| School's Receptivity | 53.8 | | 54.7 | 54.0 | | | | 53.4 | | | 57.0 | | | | 46.9 | |
| **Parent Activity** | | | | | | | | | | | | | | | | |
| Talks with Teacher | | 45.2 | 52.7 | 53.4 | | 53.6 | | 52.6 | | | | | 59.1 | 55.2 | 47.2 | 53.6 |
| PAC Involvement | 55.5 | | 47.2 | | 53.1 | | 55.7 | 56.6 | 53.0 | 56.2 | 58.9 | | | 52.6 | | 57.2 |
| Parent Visits to School | 56.3 | 54.5 | 55.1 | | | | | 55.6 | | 52.8 | 55.1 | | | | | |
| School Helped Personally | 53.6 | 55.4 | | | | | | 53.1 | | 54.2 | 56.7 | | 54.6 | | | |
| **Parent Child Interaction** | | | | | | | | | | | | | | | | |
| Child Read to at Home ** | 47.5 | | | | 54.2 | | 46.0 | | | | | | | | | |
| Child Reads at Home ** | | | | | | | | 53.2 | | | | | | | | |
| Parent Child Interaction | ▨ 55.3 | 52.8 | | 45.5 | | | | | | | | | 45.5 | | | |
| **Parent Locus** | | | | | | | | | | | | | | | | |
| Parent Locus | 46.2 | | 44.3 | 54.5 | 55.5 | 52.8 | | 46.0 | | 42.4 | 54.0 | 54.9 | 55.8 | | | |
| Range of N's | 29 | 27-42 | 28-31 | 21-35 | 26-28 | 16-28 | 29-33 | 17-21 | 20-27 | 25 | 15-29 | 26-40 | 12-18 | 39-42 | 37-38 | 37-38 |

Notes ▨ Untrustworthy: reliability less than .40.

*All teacher and parent attitudes are standardized with a mean of 50 and a standard deviation of 10. Only scores which are based upon four or more responses and deviate from the mean by one-quarter of a standard deviation or more appear on this table.

**Parent factors for Child Read to at Home and Child Reads at home were not calculated for the Cohort II Kindergarten stream.

skills measures used in the national evaluation. As mentioned in Chapter Two of Volume IV-A, however, the instruments used in both the affective and cognitive conceptual skills domains may only be partially appropriate measures of the affective and cognitive conceptual skills objectives of this model. We have assessed the effects of this model in four ways.

### Entry-Exit Effects*

First, let us consider the performance of Cohort III-K FT children on the three affective measures as shown in Table 2-2. In all sites, FT children perform as well as the expectation set by the comparison children on many of the affective measures. However, we find some variation among sites; within sites we find considerable variation between the local and pooled analyses. For example, judged by the pooled analysis, FT children in Buffalo perform below expectations on two of the affective measures; judged by the local analysis, FT children here perform below expectations on only one of the measures. Other Cohort III-K FT sites are similarly varied.

In Cohort III-EF and Cohort II-K the patterns of outcomes on the affective measures are basically the same: there is a fair amount of variability among sites. The performance of FT children in Berkeley, however, is particularly notable. Here FT children perform above the pooled expectations on two or three affective measures, depending on the analysis.

Next let us consider the performance of Cohort III-K FT children on the basic skills and cognitive conceptual skills tests. Again we find considerable variation among sites. In particular FT children in St. Louis

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* Certain effects in the Summary of Effects table for this model have been shaded, indicating that we have some concern about the validity of the FT/NFT comparison. A shaded column indicates an FT/NFT difference of 50 percent or more with preschool experience. (None will occur in Cohort III-K sites, due to preschool adjusted analyses.) Shading of specific outcomes within a column indicates an adjustment of more than one-half standard deviation of the outcome measure. The potential problems associated with such FT/NFT differences are discussed in Chapter Four of Volume IV-A. The shaded effects are, therefore presented but not discussed. Although both criteria are applied to every outcome in each site, the shading for preschool differences takes precedence over shading for size of adjustment.

# Table 2-2
# SUMMARY OF EFFECTS
# FOR RESPONSIVE EDUCATION SITES

| Domain | Outcome Measure | Buffalo, NY | | | | Duluth, MN | | | | Fresno, CA | | | | St. Louis, MO | | Salt Lake City, UT | | | | Tacoma, WA | | | | Berkeley, CA | | Lebanon, NH | | Goldsboro, NC | | Sumter, SC | | Owensboro, KY | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Stream | KINDERGARTEN | | | | | | | | | | | | | | | | | | | | | | | | | | ENTERING FIRST | | | | | |
| | Cohort | III | | II | | III | | II | | III | | II | | III | | III | | II | | III | | II | | II | | II | | III | | III | | III | |
| | Analytic Comparison | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled |
| BASIC SKILLS | Word Knowledge | | | | ▨ | | | - | - | | | | | ⊞ | + | | | ▨ | - | - | ▨ | ▨ | ▨ | | | | | | | ▨ | - | ▨ | ▨ |
| | Spelling | | ⊟ | | ▨ | | ⊟ | - | - | | | | - | ⊞ | + | | | ▨ | - | - | ▨ | ▨ | ▨ | | - | | | | | ▨ | - | ▨ | ▨ |
| | Language | | | | ▨ | | | - | - | | | | + | | ⊞ | - | - | ▨ | | - | ▨ | ▨ | ▨ | | | | | + | + | ▨ | - | ▨ | ▨ |
| | Math Computations | - | - | | ▨ | □ | □ | - | - | | + | | | ⊞ | + | | | ▨ | + | - | ▨□ | ▨ | ▨ | | + | | | + | + | ▨ | | ▨ | ▨ |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | | | ▨ | + | + | | | | | - | - | □ | + | | ▨□ | ▨ | - | | | ▨ | ▨ | | | | - | | | ▨ | | ▨ | ▨ |
| | Reading | | | - | ▨ | | | - | - | | | | | ⊞ | + | | ▨ | ▨ | ▨ | | ▨ | ▨ | ▨ | | + | | | + | + | ▨ | - | ▨ | ▨ |
| | Math Concepts | | | - | ▨ | | ⊟ | - | - | | + | | ▨ | ⊞ | ⊞ | | ▨□ | ▨ | ▨ | | ▨ | ▨ | ▨ | | | | | + | + | ▨ | - | ▨ | ▨ |
| | Math Problem Solving | | | - | ▨ | | ⊟ | - | - | | + | | | ⊞ | + | | ▨ | ▨ | | | ▨ | ▨ | ▨ | | | | | + | + | ▨ | - | ▨ | ▨ |
| AFFECTIVE MEASURES | Coopersmith | | | | ▨ | | | - | | | | | + | | | - | □ | ▨ | ▨ | | | ▨ | ▨ | | + | | ▨ | | | ▨ | - | | - |
| | IARS (–) | - | - | | ▨ | | ⊟ | | | | □ | ▨ | | | | | | ▨ | | | | ▨ | ▨ | + | + | | | | | ▨ | - | | |
| | IARS (+) | | - | | ▨ | | ⊞ | | | | | ▨ | ▨ | | + | - | - | ▨ | | | ⊟ | ▨ | ▨ | + | + | | | | | ▨ | | | |
| | Total Reading | | | | ▨ | | | - | - | | | | | ⊞ | + | | | ▨ | - | - | ▨□ | ▨ | ▨ | | | | | | + | ▨ | - | ▨ | ▨ |
| | Total Math | | - | - | ▨ | | | - | - | | + | | | ⊞ | + | | ▨ | ▨ | | | ▨□ | ▨ | ▨ | | | | | + | + | ▨ | - | ▨ | ▨ |
| | Language Part A | | ⊟ | | ▨ | | | | | | | | + | | ⊞ | - | | ▨ | ▨ | | ▨ | ▨ | ▨ | | + | | + | + | + | ▨ | - | ▨ | ▨ |
| | Language Part B | | | | ▨ | | | - | - | | | + | + | | | | - | ▨ | | - | - | ▨ | ▨ | | | | | + | + | ▨ | | ▨ | ▨ |

| NATIONAL NORMS* | | Site FT Sample* | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Outcome Measures | MAT Sample | | | | | | | | | | | | | | | | |
| Reading | 20% | 57 | 61 | 21 | 20 | 72 | 58 | 41 | 38 | 44 | 50 | 59 | 24 | 7 | 53 | 81 | 73 |
| Math | 12% | 33 | 39 | 19 | 18 | 62 | 65 | 34 | 48 | 44 | 48 | 67 | 21 | 21 | 40 | 49 | 63 |
| Spelling | 22% | 57 | 66 | 21 | 18 | 69 | 62 | 31 | 33 | 28 | 58 | 74 | 27 | 14 | 47 | 78 | 68 |
| Language** | 14% | 73 | | 51 | | 90 | | 72 | 67 | | 75 | | | | 55 | 90 | 73 |

Notes:

* In terms of percentage of children performing one or more years below grade level.

** No national norms comparisons were made for Cohort II-K children on the Language subtest.

| | |
|---|---|
| + | FT-favoring effect |
| – | NFT-favoring effect |
| blank | Null effect |
| □ | Preschool Adjustment changes effect |
| ▨ | Untrustworthy effect |

perform above expectations on six to eight measures, depending on the analytic strategy used. By comparison, in Tacoma, FT children perform below expectations on all basic skills tests and as well as expected on all cognitive conceptual skills tests.

In Cohort III-EF, the performance of FT children on basic skills tests and cognitive conceptual skills tests is especially varied. FT children in Goldsboro perform above expectations based on comparison children on two of the four basic skills tests, and on three of the four cognitive conceptual skills tests. They do as well as expected on the remaining tests. However, FT children in Sumter perform below expectation on three of the basic skills tests and on three of the cognitive conceptual skills tests. They perform as well as expected on the remaining tests in each domain. Similarly, the performance of FT children in Cohort II-K varies from site to site.

### National Norms Comparisons

As indicated at the bottom of Table 2-2, a smaller-than-expected* proportion of FT children in Duluth (Cohort II-K) and Lebanon perform at least on year below grade level (the criterion of educational disadvantage**) on two sections of the MAT: Reading and Spelling. Similarly, a smaller-than-expected proportion of FT children in Duluth (Cohort III-K) perform at least one year below grade level on MAT Spelling. In other sites in this model, a larger-than-expected proportion of FT children perform at least one year below grade level.

### Effects on Type of Preschool Experience

In general, the impact of the Responsive Education Model does not notably vary among FT children with either Head Start, Some Preschool, or No Preschool experience. As judged by the pooled analysis, indicated in Figure 2-3, FT Head Start graduates perform above expectations based on the comparison children on one of the basic skills measures. FT

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* The expected proportion of children performing at least one year below grade level is shown in the MAT sample column. The reader is cautioned; this expectation is based on the performance of a sample of average children and therefore is a stringent external criterion.

** Section 417 (a)(2) of the General Education Provisions Act provides that for the purpose of the Secretary of HEW's Annual Report the term "educationally disadvantaged children refers to children who are achieving one or more years behind the achievement expected at the appropriate grade level for such children."

Figure 2-3

SPONSOR LEVEL SUMMARY OF EFFECTS
FOR RESPONSIVE EDUCATION

| Domain | Analysis / Preschool Experience / Outcome Measure | Preschool Blocked Local Analysis |  |  | Preschool Blocked Pooled Analysis |  |  |
|---|---|---|---|---|---|---|---|
|  |  | Head Start | Some Preschool | No Preschool | Head Start | Some Preschool | No Preschool |
| BASIC SKILLS | Word Knowledge |  |  |  |  |  |  |
|  | Spelling |  |  | – |  |  | – |
|  | Language |  |  |  |  |  |  |
|  | Math Computations |  |  |  | + |  |  |
| COGNITIVE CONCEPTUAL SKILLS | Raven's |  |  |  |  |  |  |
|  | Reading |  |  |  |  |  |  |
|  | Math Concepts |  |  |  |  |  |  |
|  | Math Problem Solving |  |  |  |  |  |  |
| AFFECTIVE MEASURES | Coopersmith |  |  |  |  |  |  |
|  | IARS (–) |  |  |  |  |  | – |
|  | IARS (+) |  |  |  |  | – |  |
|  | Total Reading |  |  |  |  |  |  |
|  | Total Math |  |  |  |  |  |  |
|  | Language Part A |  |  |  |  |  |  |
|  | Language Part B |  |  |  |  |  |  |

Notes:
+ FT-favoring effect
– NFT-favoring effect
blank Null effect
▨ Sample size of less than 30 children

children with No Preschool experience perform below expectations on one of the three affective skills measures. As judged by the local analysis, differences between FT children with different preschool backgrounds are very slight.

### Longitudinal Effects

In the longitudinal analysis (see Volume IV-D for details) most FT children in the Responsive Education Model progress similarly to comparison children on the Total Math, Math Computations and Math Concepts measures. FT Head Start graduates, however, are a notable exception. A substantial proportion of FT Head Start graduates make greater progress, relative to the comparison group, on the Math Computations measure during kindergarten and the first grade. And a majority of these FT children make less progress, relative to the comparison group, on the Total Math measure during second and third grade.

Second, the children in the Responsive Education Model do not perform as well as the comparison children on the Reading measure early in the program: regardless of preschool experiences, FT children make less progress, relative to the comparison group, on the Reading measure during kindergarten and first grade. However, the impact of the Responsive Education Model is generally the same as the comparison group on the Reading measure during the second and third grades. FT children with Some Preschool experience are the notable exception: many of these children make relatively less progress than the comparison group late in the program.

## Summary

The Responsive Education Model emphasizes the development of socioemotional growth together with the development of cognitive skills. In many of this Model's sites, FT teachers report that instruction in their classrooms is more individualized and more flexible than average. The model uses parents as an integral part of its educational program. In many sites, FT parents report that they are more actively involved in their children's education than are parents in general.

The performance of FT children in this model on the various measures of the outcome battery varies substantially among cohort streams and sites within cohorts. In general, FT children in the sites in this model perform as well on the basic skills tests as they do on the cognitive conceptual skills tests and affective measures; overall between 11 and 20 percent of the measures have positive effects, and between 58 and 74 percent of the measures have null effects. Positive, null, or negative effects tend to be concentrated within individual sites. This suggests that the Responsive Education Model has a wide range of effects by site, ranging from 88 percent positive (in St. Louis on basic skills) to 100 percent negative (in Tacoma, also on basic skills).

This model has roughly the same kind of impact on FT children with different kinds of preschool experiences. In addition, many FT children in this model progress similarly to comparison children on math achievement, both early and late in the program. Many FT children make relatively less progress than comparison children on reading achievement during kindergarten and first grade years, and perform as well as the comparison group during second and third grade.

## CHAPTER THREE

## TUCSON EARLY EDUCATION MODEL (TEEM)
Arizona Center for Early Education

### The Model

The Tucson Early Education Model (TEEM) is based on the concept that each child has a unique growth pattern with individual rates and styles of learning. Based on M. Hughes' idea that formal learning should begin with the experiences young children bring to the classroom, and that the children's understanding of workds and their meaning depends on the children's experiences, TEEM emphasizes a language-experience approach to cognitive development (Judd and Wood, 1973). The classroom is designed to support the use of language in relating experiences and learning how to learn.

Teachers work with children in groups of three to six. These groups are deliberately heterogeneous so that children will learn from peers. Interest centers are provided in the classroom to stimulate discovery and learning. Some classroom activities are selected and structured by the teacher; others are chosen by the children. Both types of activities are based on student need and interest. Even in this open-ended context the learning experiences of the children are carefully structured through teacher planning and direction. Various publisher's materials (e.g., Language Experience in Reading by R. V. Allen and R. Stauffer; Sounds of Language by W. Marting; Math by the Nuffield Foundation), as well as materials prepared by the teachers and the children, are available in the classroom. Field trips and walks extend the pupils' experiences. Teachers work with school psychologists to define and analyze educational problems and plan carefully defined individual solutions consistent with the TEEM approach.

The major goals for children are attended to by the teachers through a process called "orchestration." In this process, the child learns language, intellectual skills, attitudes, and societal arts and skills in a single activity. The teachers are trained to use praise, affection, and attention as social reinforcers. They are also trained to use imitation and modeling techniques as a means for developing all goal areas.

TEEM has specific goals regarding parents, including encouraging their frequent contact with school and inviting them to observe and participate in the classroom. Recently, more specified methods and approaches for implementing these goals have been developed by the sponsor. In summary, the model is designed to achieve cognitive skill development in a relatively open classroom setting.

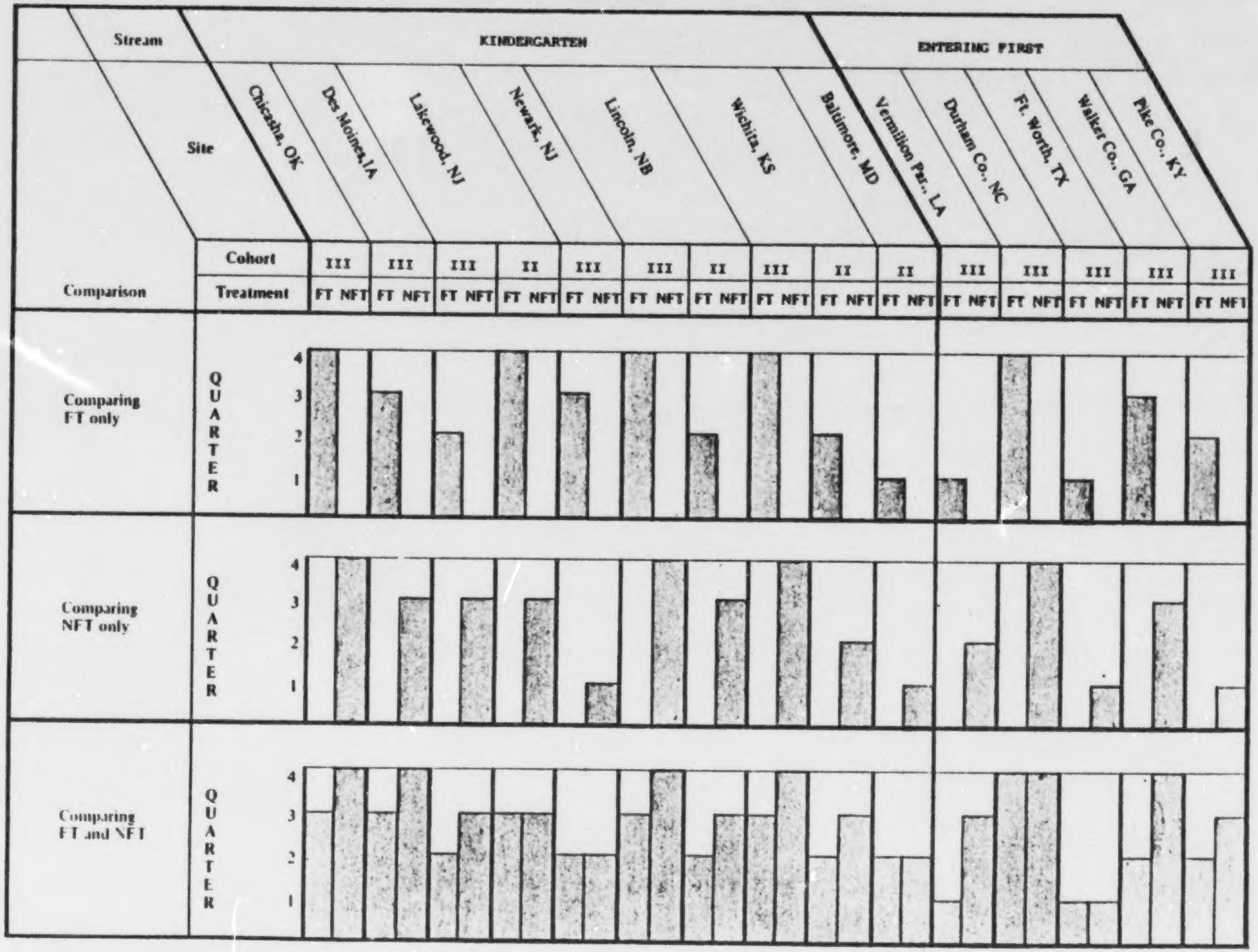
## TEEM as Realized in Follow Through

TEEM is evaluated in twelve sites: Chicasha, OK; Des Moines, IA; Lakewood, NJ; Newark, NJ; Lincoln NB; Wichita, KS; Baltimore, MD: Vermilion Parish, LA; Durham, NC; Fort Worth, TX; Walker County, GA; and Pike County, KY. TEEM sponsored sites are represented in both kindergarten and entering first streams of Cohort III, and the kindergarten stream of Cohort II.

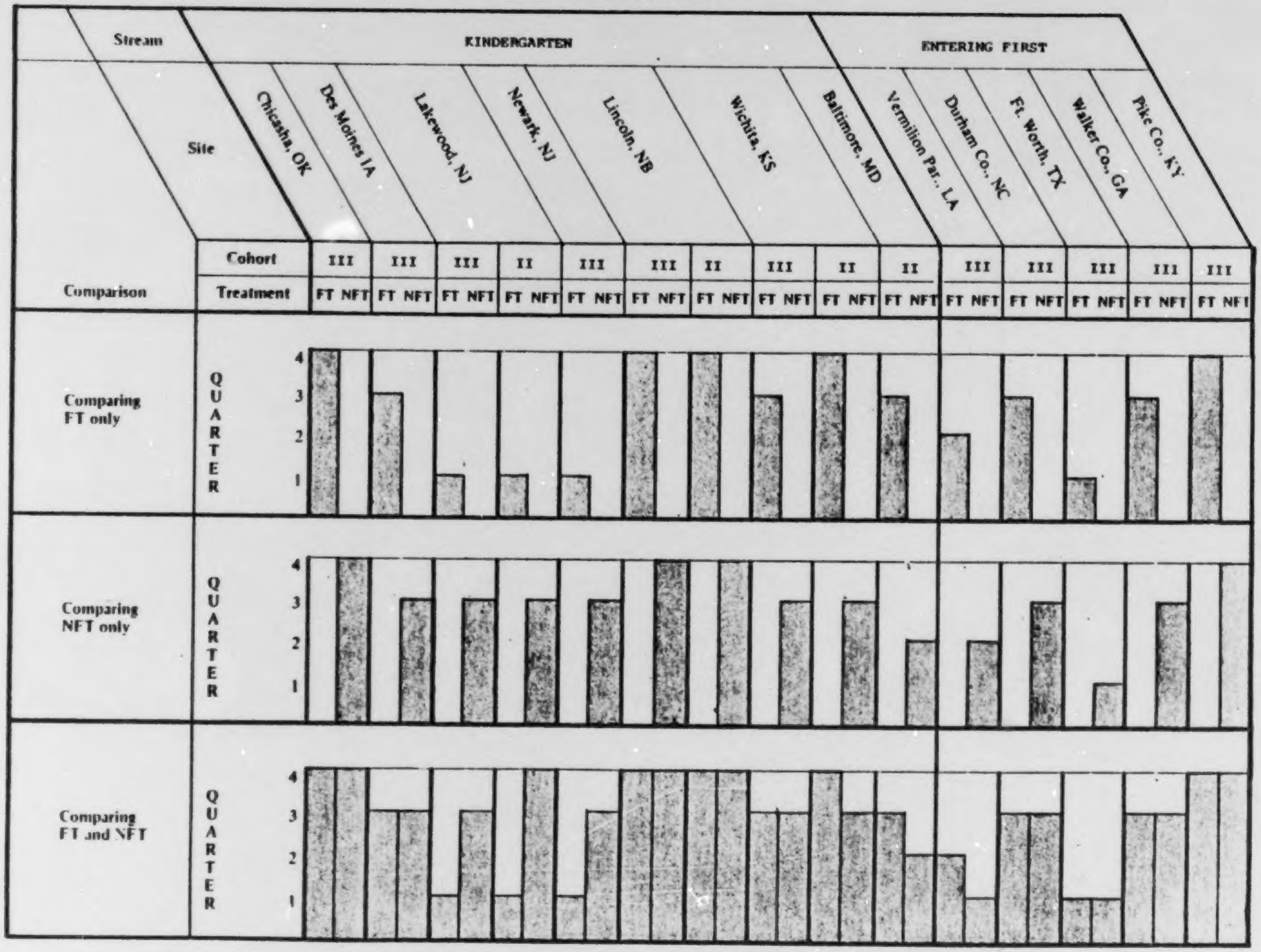
### Sample Description

As indicated in Figure 3-1, TEEM's site groups in Cohort III-K tend to be less widely distributed in terms of socioeconomic status than Follow Through groups generally; in the other cohort streams, the groups are well distributed over the range. As indicated in Figure 3-2, TEEM has worked with substantial ethnic-linguistic minorities in Lakewood, Newark, Vermilion Parish, and Fort Worth. The FT and NFT groups are reasonably comparable except in Vermilion Parish and Walker County, where FT is less advantaged than NFT, and in Lakewood and Newark, where the ethnic-linguistic characteristics differ.

Figure 3-1
RANKINGS ON THE SOCIOECONOMIC DISCREPANCY INDEX FOR TEEM SITES



## Figure 3-2
## RANKINGS ON ETHNIC-LINGUISTIC INDEX FOR TEEM SITES



## Teachers' Perceptions of the Model

FT teachers in TEEM are trained to structure and plan the learning experiences for each child: teachers tailor the classroom learning environments to meet the needs and desires of individual children. As indicated in Table 3-1, FT teachers in all TEEM sponsored sites are considerably above average in their reported stress on individualization and in the reported flexibility of their classroom activities. Moreover, most FT teachers in TEEM sponsored sites report a lower than average degree of their academic emphasis. FT teachers in this model are usually above or below the average for all FT and NFT teachers in general along this dimension; they are rarely simply average. FT teachers in most TEEM sponsored sites report above average or average satisfaction with the sponsor. FT teachers in Cohort II-K in Lakewood and Baltimore are exceptions: these two groups of teachers report substantially below average satisfaction with the sponsor.

## Parents' Perceptions of the Model

TEEM encourages FT parents to have frequent contact with the school and invites them to observe and participate in the classrooms. As judged by parents' reports on the Parent Activity factor in Table 3-1, FT parents vary from site to site in their reported activities. In particular, FT parents in many TEEM sponsored sites report average activity on two or three of the scales in the Parent Activity factor; the Vermilion and Pike County sites, however, are exceptions. In these sites, FT parents report greater activity than average on three of the scales of this factor.

With notable exceptions of Wichita (Cohort II-K) and Vermilion Parish, FT parents in TEEM sponsored sites are roughly average in their assessment of the school's impact on their children. Cohort II-K FT parents in Wichita and Cohort III-EF FT parents in Vermilion Parish are (generally) above average in their assessment of the school's impact on their children.

FT parents in TEEM sponsored sites are generally average in the extent of their parent-child interaction in the home. Similarly, FT parents in most TEEM sponsored sites are either average or below average on the Parent Locus factor.

# Table 3-1
# SELECTED STANDARDIZED SCORES* FOR TEACHER CLUSTERS AND PARENT FACTORS FOR TEEM SITES

| Stream | KINDERGARTEN | | | | | | | | | | ENTERING FIRST | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | Chickasha, OK | Des Moines IA | Lakewood, NJ | | Newark, NJ | Lincoln, NB | | Wichita, KS | | Baltimore, MD | Vermillion Par., LA | Durham Co., NC | Ft. Worth, TX | Walker Co., GA | Pike Co., KY |
| Cohort | III | III | III | II | III | III | II | III | II | II | III | III | III | III | III |
| **TEACHER CLUSTERS** | | | | | | | | | | | | | | | |
| Teacher Centered | 43.7 | 41.6 | 43.1 | 44.1 | | 44.3 | 47.4 | 40.5 | 37.7 | | | | 44.3 | - - | 45.3 |
| Flexible Classroom | 62.6 | 63.5 | 59.3 | 54.6 | - - | 61.8 | 58.2 | 56.7 | 61.8 | 59.0 | 53.0 | 54.8 | 57.9 | - - | 56.7 |
| Individualization | 64.6 | 58.9 | 60.6 | 54.2 | - - | 62.3 | 56.3 | 61.4 | 56.8 | 62.7 | 55.3 | 52.5 | 56.6 | - - | 53.1 |
| Academic (vs. Emotional) Emphasis | | 62.6 | 42.9 | 43.5 | - - | 45.8 | | 46.5 | 42.2 | 57.0 | 52.7 | 53.9 | 45.0 | | |
| Satisfaction with Sponsor | | 52.6 | 58.7 | 43.0 | - - | 56.3 | | 58.2 | | 32.2 | 57.1 | | 56.1 | - - | 63.0 |
| Range of N's | 4 | 4 | 8 | 8 | 2 | 10 | 9 | 5 | 5 | 7-8 | 8-9 | 6 | 12 | 2-3 | 4 |
| **PARENT FACTORS** | | | | | | | | | | | | | | | |
| **School Impact on Child** | | | | | | | | | | | | | | | |
| School Helped Child | | | | 53.7 | 52.8 | 52.7 | 53.2 | | 53.7 | | 53.5 | | | | 52.9 |
| Child's Progress in School | | 53.2 | 46.9 | | | | | | 54.4 | | 52.6 | | | | |
| Child's Emotional Adjustment | | | 52.6 | 53.5 | 52.7 | | | | 52.5 | | 55.4 | | 55.4 | | |
| School Helped with Child | | | 46.3 | | 52.8 | | | | 52.5 | 53.2 | 57.5 | | | | 54.8 |
| School's Receptivity | | | | | | 55.2 | 53.4 | | 53.2 | | 52.7 | 47.2 | 52.7 | | |
| **Parent Activity** | | | | | | | | | | | | | | | |
| Talks with Teacher | 53.3 | | | | 54.1 | | 52.9 | 43.2 | | 45.0 | 54.5 | | | | |
| PAC Involvement | | 52.9 | | | 54.3 | 56.4 | | 55.3 | | | 53.0 | | | | 56.3 |
| Parent Visits to School | | | ▨ 47.1 | | | | | | | 55.4 | | | | 52.7 | 58.2 |
| School Helped Personally | | | ▨ 47.1 | | | | | ▨ 47.6 | | | 53.8 | | 52.7 | | 54.8 |
| **Parent Child Interaction** | | | | | | | | | | | | | | | |
| Child Read to at Home** | 47.0 | 46.1 | 47.0 | | | 45.4 | | | | | | | | 53.7 | |
| Child Reads at Home** | | | | | | | | | | | | | 54.0 | | |
| Parent Child Interaction | | | | 53.0 | ▨ 56.2 | | 43.8 | | 47.2 | 52.6 | | | | | 53.6 |
| **Parent Locus** | | | | | | | | | | | | | | | |
| Parent Locus | 46.4 | | | 47.4 | | 45.1 | 53.5 | 44.5 | | 47.2 | | | | 53.3 | |
| Range of N's | 30 | 25-26 | 28-31 | 24-44 | 33 | 32 | 18-32 | 29 | 15-35 | 3-32 | 32-35 | 26-29 | 30 | 22-24 | 37-39 |

Notes: ▨ Untrustworthy: reliability less than .40.

*All teacher and parent attitudes are standardized with a mean of 50 and a standard deviation of 10. Only scores which are based upon four or more responses and deviate from the mean by one-quarter of a standard deviation or more appear on this table.

**Parent factors for Child Read to at Home and Child Reads at home were not calculated for the Cohort II Kindergarten stream.

## Effects on Children

TEEM emphasizes the development of language and communication skills within the general program of cognitive and affective development. We have attempted to measure these particular objectives through a variety of instruments used in the national evaluation. Thus, one might expect FT children in TEEM sponsored sites to be particularly likely to perform above the expectation set by comparison children on the cognitive conceptual skills tests and affective measures. As mentioned in Chapter Two of Volume IV-A, however, the instruments used in both domains may be only partially appropriate measures of the objectives of this model. We have assessed the effects of this model in four ways.

### Entry-Exit Effects*

FT children vary among sites in their performance on measures in the cognitive conceptual skills and affective domains. FT children in many sites in Cohort III-K perform as well as comparison children on most cognitive conceptual skills tests. As can be seen in Table 3-2, there is some slight variability among sites, depending on the analytic perspective in question. For example, judged by the pooled analysis, FT children in Newark perform above the expectations on one of the cognitive conceptual skills tests, and below expectations on another. Judged by the local analysis, FT children in this site perform as well as expected on all four cognitive conceptual skills tests. The performance of FT children on the cognitive conceptual skills tests is essentially the same in Cohort III-EF and Cohort II-K FT sites.

In Cohort III-K, FT children in all sites generally perform as well as or below expectations on the three affective measures. There is some variability among sites and among analytic comparison groups. For

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* Certain effects in the Summary of Effects table for this model have been shaded, indicating that we have some concern about the validity of the FT/NFT comparison. A shaded column indicates an FT/NFT difference of 50 percent or more with preschool experience. (None will occur in Cohort III-K sites, due to preschool adjusted analyses.) Shading of specific outcomes within a column indicates an adjustment of more than one-half standard deviation of the outcome measure. The potential problems associated with such FT/NFT differences are discussed in Chapter Four of Volume IV-A. The shaded effects are therefore presented but not discussed. Although both criteria are applied to every outcome in each site, the shading for preschool differences takes precedence over shading for the size of adjustment.

# Table 3-2
# SUMMARY OF EFFECTS
# FOR TEEM SITES

| Stream | | KINDERGARTEN | | | | | | | | | | | | | | | | | | | | ENTERING FIRST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | | Chicasha, OK | | Des Moines, IA | | Lakewood, NJ | | | | Newark, NJ | | Lincoln, NB | | | | Wichita, KS | | | | Baltimore, MD | | Vermilion Par., LA | | Durham Co., NC | | Ft. Worth, TX | | Walker Co., GA | | Pike Co., KY | |
| Cohort | | III | | III | | III | | II | | III | | III | | II | | III | | II | | II | | III | | III | | III | | III | | III | |
| Domain | Outcome Measure / Analytic Comparison | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled |
| BASIC SKILLS | Word Knowledge | ▨- | ▨- | | | | | ▨ | ▨ | - | - | - | - | | - | ▨- | ▨- | ▨ | | - | - | | | | | | | | | | |
| | Spelling | - | ▨- | | | | ▨☐ | ▨ | ▨- | - | - | - | - | | - | ▨ | ▨☐ | ▨ | ▨- | - | ▨- | | - | | - | - | - | | | | |
| | Language | ▨ | ▨ | | | | ▨☐ | ▨ | ▨- | ☐ | - | | | | - | - | ▨- | ▨ | | | - | | | | | | | | | | |
| | Math Computations | ▨ | ▨ | + | ⊞ | | ⊟ | ▨ | ▨ | | | | - | | | ▨ | - | ▨- | | | | | | + | + | | | | | | + |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | ▨ | | | | | | ▨ | ▨ | | | | ☐ | | | | | ▨ | | | | ▨ | ▨ | + | + | | | | | | |
| | Reading | ▨- | ▨- | | ▨ | | | ▨ | ▨ | ☐ | - | - | - | - | - | ▨- | ▨- | ▨ | | | | | | | | | | | | | |
| | Math Concepts | ▨ | ▨- | | | | | ▨ | ▨- | | | - | - | | ▨- | ▨ | ▨☐ | ▨- | - | - | - | | | | | | | - | - | | + |
| | Math Problem Solving | ▨ | ▨- | | | | ⊟ | ▨ | ▨ | | ⊞ | - | - | | - | ▨ | ▨☐ | ▨ | | | - | | | | | | | | | | |
| AFFECTIVE MEASURES | Coopersmith | | | | | | | ▨- | ▨ | | | | | | ▨+ | ⊟ | - | ▨- | | | | | | | | - | - | | | | |
| | IARS (–) | | | | | | ⊟ | ▨ | ▨- | | - | | | | - | | ⊟ | ▨ | + | - | - | | | + | + | - | | | - | | - |
| | IARS (+) | | | | | | | ▨- | ▨- | ☐ | - | | | | | | - | ▨ | | - | - | | - | | | | | | - | | |
| | Total Reading | ▨- | ▨- | | | | | ▨ | ▨ | - | - | - | - | - | - | ▨- | ▨- | ▨ | | - | - | | | | | | | | | | |
| | Total Math | ▨ | ▨ | | | | ⊟ | ▨ | ▨ | | | - | - | | - | ▨ | ▨- | ▨ | - | - | - | | | | | | | | | | + |
| | Language Part A | ▨ | ☐ | | | | ▨☐ | ▨ | ▨ | | - | | | | ▨ | | - | ▨ | + | - | - | | | | | | | | | | |
| | Language Part B | ▨ | ▨ | | | | ▨☐ | ▨ | ▨- | ☐ | - | | | | - | - | ▨ | ▨ | | | | | | | | | | | | | |

| NATIONAL NORMS* | | Site FT Sample* | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Outcome Measures | MAT Sample | | | | | | | | | | | | | | | |
| Reading | 20% | 32 | 42 | 49 | 58 | 33 | 20 | 26 | 41 | 29 | 91 | 78 | 40 | 72 | 62 | 31 |
| Math | 12% | 18 | 21 | 61 | 60 | 14 | 21 | 28 | 49 | 42 | 81 | 59 | 30 | 60 | 43 | 22 |
| Spelling | 22% | 32 | 4 | 47 | 56 | 26 | 20 | 29 | 41 | 31 | 90 | 72 | 37 | 70 | 60 | 28 |
| Language** | 14% | 32 | 38 | 91 | | 62 | 40 | | 75 | | | 82 | 43 | 81 | 72 | 44 |

Notes:

* In terms of percentage of children performing one or more years below grade level.

** No national norms comparisons were made for Cohort II-K children on the Language subtest.

| | |
|---|---|
| + | FT-favoring effect |
| - | NFT-favoring effect |
| blank | Null effect |
| ☐ | Preschool Adjustment changes effect |
| ▨ | Untrustworthy effect |

example, judged by the pooled analysis, FT children in Wichita perform below expectations on all three measures. But, judged by the local analysis, these FT children perform as well as expected on two of the affective measures. The effects of TEEM on the affective measures among Cohort III-EF and Cohort II-K FT children are substantially similar, with the slight exception of two sites, Durham and Wichita.

FT children in all sites in Cohort III-K perform as well as expected on some of the basic skills tests. But in two sites, Newark and Lincoln, FT children perform below expectations on two or three of the basic skills test, depending on the analytic strategy. In one site, Des Moines, FT children perform above expectations on one basic skills test. Moreover, the general pattern of either null or negative effects for FT children in TEEM sponsored sites on basic skills tests, coupled with an occasional positive effect on a particular test in a particular site, persists across other cohorts and grade streams.

## National Norms Comparison

As indicated at the bottom of Table 3-2, a smaller-than-expected proportion* of FT children in Lincoln (Cohort III-K) perform at least one year below grade level (the criterion of educational disadvantage**) on two sections of the MAT: Reading and Spelling. In other sites in this model, a larger-than-expected proportion of FT children perform at least one year below grade level on the various sections of the MAT.

## Effects by Type of Preschool Experience

The impact of the TEEM varies slightly among FT children with different kinds of preschool experiences, as indicated in Figure 3-3.

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* The expected proportion of children performing at least one year below grade level is shown in the MAT sample column. The reader is cautioned; this expectation is based on the performance of a sample of average children and therefore is a stringent external criterion.

** Section 417 (a)(2) of the General Education Provisions Act provides that for the purpose of the Secretary of Health Education and Welfare's Annual Report the term "educationally disadvantaged children refers to children who are achieving one or more years behind the achievement expected at the appropriate grade level for such children."

## Figure 3-3
## SPONSOR LEVEL SUMMARY OF EFFECTS FOR TEEM

| | Analysis | Preschool Blocked Local Analysis | | | Preschool Blocked Pooled Analysis | | |
|---|---|---|---|---|---|---|---|
| Domain | Outcome Measure / Preschool Experience | Head Start | Some Preschool | No Preschool | Head Start | Some Preschool | No Preschool |
| **BASIC SKILLS** | Word Knowledge | – | – | – | – | – | – |
| | Spelling | – | – | – | – | – | – |
| | Language | – | | | | | |
| | Math Computations | | | | | | |
| **COGNITIVE CONCEPTUAL SKILLS** | Raven's | | | | – | | |
| | Reading | – | – | – | – | – | – |
| | Math Concepts | | – | | | – | |
| | Math Problem Solving | | | | – | | |
| **AFFECTIVE MEASURES** | Coopersmith | | – | | | – | |
| | IARS (–) | | | | – | | |
| | IARS (+) | | | | | | |
| | Total Reading | – | – | – | – | – | – |
| | Total Math | | | | | | |
| | Language Part A | | | | | | |
| | Language Part B | – | | | | | |

Notes:
+ FT-favoring effect
– NFT-favoring effect
blank Null effect
▨ Sample size of less than 30 children

For example, as judged by the local analysis, FT Head Start graduates perform below expectation based on the comparison group on three of the four basic skills measures and on one of the four cognitive conceptual skills measures; these FT children perform as well as expected on the three affective measures. FT children with Some Preschool experience perform below expectations on two of the basic skills measures, two of the cognitive conceptual skills measures, and on one of the affective measures. FT children with No Preschool experience are in between. Results in the pooled analysis are similarly varied.

### Longitudinal Effects

In the longitudinal analysis (see Volume IV-D for details), most FT children in TEEM progress similarly to comparison children on the

Total Math, Math Computations or Math Concepts measures. On the Reading measure, a majority of the FT children make less progress than comparison children both during the kindergarten to first grade interval, and during the second to third grade interval.

__Summary__

The Tucson Early Education Model is designed to achieve cognitive skill development in a relatively open classroom setting. In all of the sponsor's sites, FT teachers report that instruction in their classrooms is more individualized and flexible than average. In addition, FT teachers in most sites report that their classrooms have a lower than average degree of teacher-centerdness. The model encourages parents to have frequent contact with the school and to participate in classroom activities. However, FT parents vary considerably among sites in their reported involvement in school-related activities.

The performance of FT children on the various measures of the outcome battery varies moderatly among sites. In general, FT children in TEEM sponsored sites perform as well on the basic skills tests as they do on the cognitive conceptual skills tests and affective measures; overall 4 to 5 percent of the measures have positive effects and 67 to 77 percent of the measures have null effects. The negative effects tend to be concentrated in three particular sites -- Newark, Baltimore, and Lincoln -- while the few positive effects tend to be scattered among sites. This indicates that TEEM has generally had null effects in most sites.

This model has roughly the same kind of impact on FT children with different kinds of prior preschool experiences. FT children progress similarly on math achievement to disadvantaged children in general, both early and late in the program. However, FT children in this model make relatively less progress on reading achievement than disadvantaged children in general, both during kindergarten and first grade, and during second and third grade.

# CHAPTER FOUR

# BANK STREET MODEL

## The Model

The Bank Street Model has the immediate goal of stimulating children's cognitive and affective development, and the long range goal of effecting community change. It emphasizes personal growth of children, parents and teachers. Academic skills and emotional social development are viewed as complementary processes; both are emphasized equally. The classroom is designed to provide a stable, organized environment. Within it, children participate actively, supported by adults who help to expand their world and sensitize them to the meaning of their experiences within it. Academic skills are acquired within the broad context of direct experiences planned to provide appropriate ways of organizing and extending the children's expressed interests. Math, reading, and language are taught as tools to carry out an investigation of these interests. Children plan their learning tasks with teachers and make autonomous choices when appropriate. A wide variety of Bank Street and commercial materials are available, such as the Bank Street readers and language stimulation materials. Children write creative stories, write their own books, read for pleasure, engage in dramatic plan, music, and art. Social studies are also emphasized in the Bank Street approach.

The teachers play a vital role in this model, using diagnostic tools to analyze child behavior, child-adult interaction, and the social and physical milieu of the classroom. The staff development program aims at developing a repertoire of teaching strategies from which to choose and insights into how to enhance children's capacity to probe, reason, solve problems, and express their feelings freely and constructively. Since the teaching is based on study of the child's strengths and learning style, there is a strong emphasis on individualized follow-up.

Parents' individual growth is a Bank Street objective as well. Career development training with academic credit is offered to parents. Participation in the classroom as paid staff, volunteers, or observers, and opportunities for parents and teachers to pool their understanding of the child's interests and needs are part of the Bank Street program. In general, parents in this program are encouraged to participate in the classroom, in community activites relating to the school and in the PAC. There is, however, little emphasis on continuing the educational process in the home.

## The Bank Street Model as Realized in Follow Through

The Bank Street Model is evaluated in eight sites: New York, NY; Philadelphia, PA; Brattleboro, VT; Fall River, MA; New Haven, CT; Rochester, NY; Wilmington, DE; and Macon County, AL. The Bank Street sponsored sites are represented in both kindergarten and entering first streams of Cohort II and the kindergarten stream of Cohort III.

### Sample Description

Except in Philadelphia, Wilmington, New York, and Macon County, the Bank Street program is working with groups of higher socioeconomic status than is true for Follow Through in general (see Figure 4-1). As indicated in Figure 4-2, Bank Street groups include important ethnic-linguistic minorities in New York, Philadelphia, Rochester, and Macon County.*
Were Bank Street's FT groups are doubtfully comparable with their local NFT groups, the contrast is in the opposite direction from that for most of Follow Through: in New York (Cohort II), Fall River (Cohort III), and New Haven, the FT groups are higher in socioeconomic status than their comparison groups; in Fall River (Cohort II), NFT has more minorities than FT.

### Teachers' Perceptions of the Model

The Bank Street approach to learning emphasizes the personal growth of children; teachers are trained to respond to the needs of the

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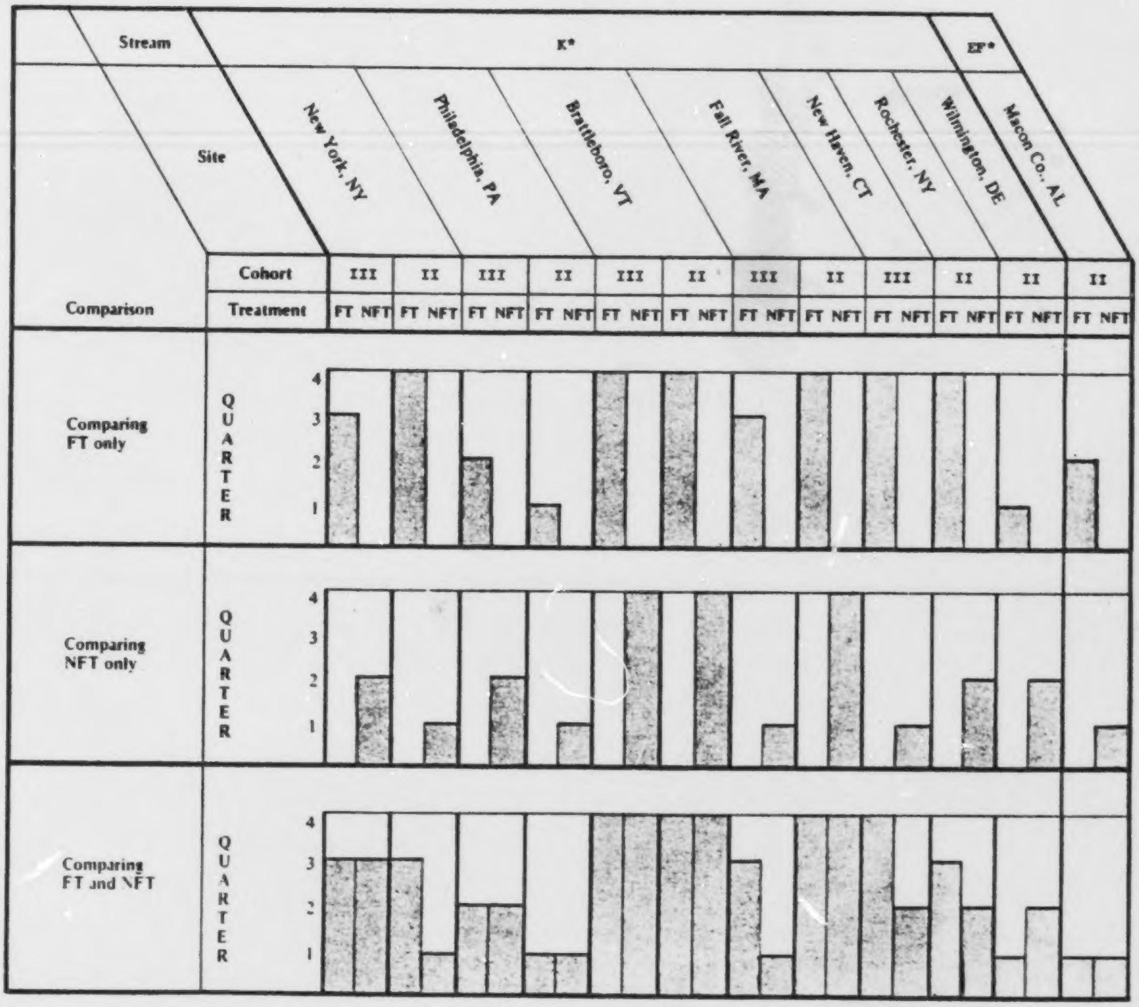
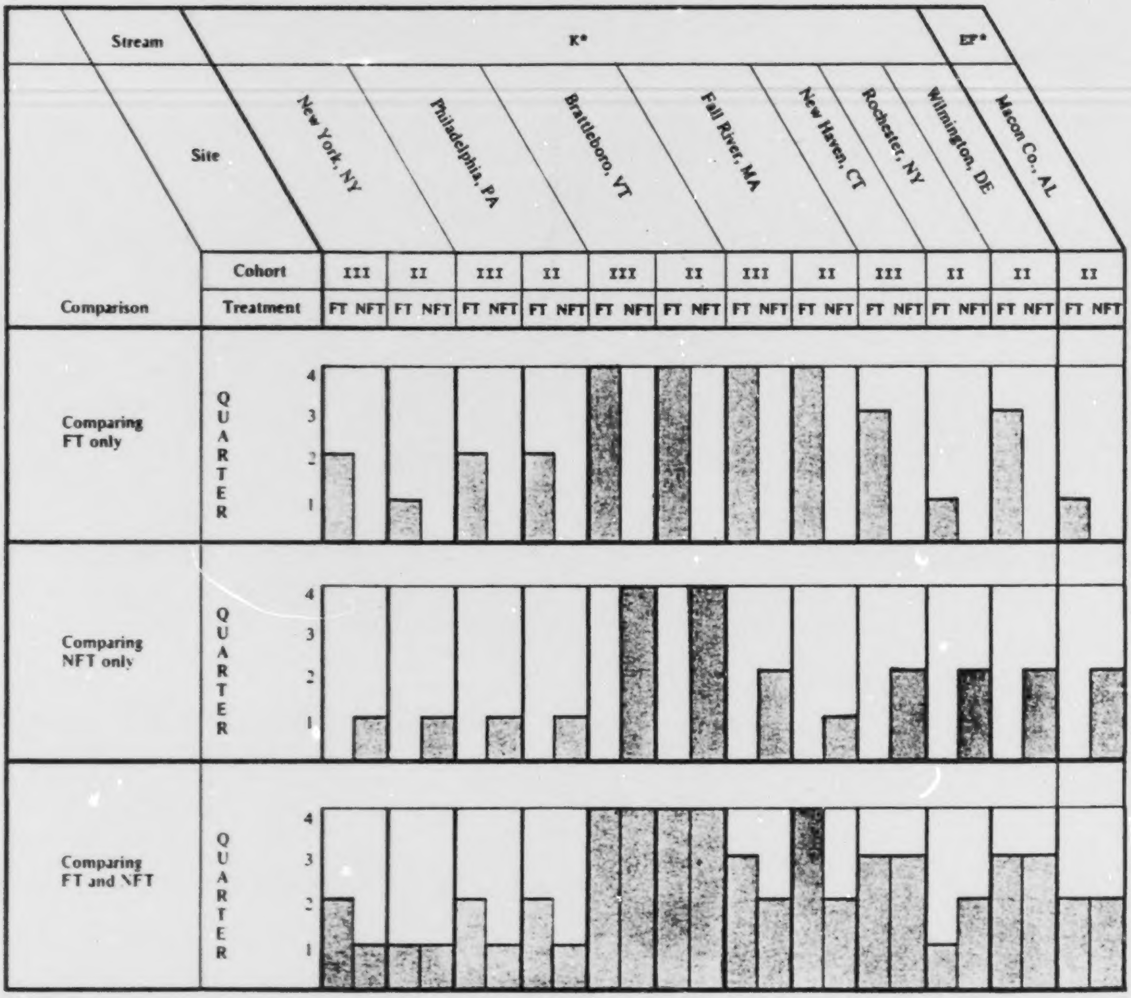
* The FT sample in Fall River has approximately 20 percent (Cohort III) and 25 percent (Cohort II) Portuguese children.

## Figure 4-1
## RANKINGS ON THE SOCIOECONOMIC DISCREPANCY INDEX FOR BANK STREET SITES



* K = Entering Kindergarten Stream; EF = Entering First Stream.

**Figure 4-2**
**RANKINGS ON ETHNIC-LINGUISTIC INDEX FOR BANK STREET SITES**



* K = Entering Kindergarten Stream; EF = Entering First Stream.

individual child. As indicated in Table 4-1, FT teachers in most Bank Street sponsored sites report that their classrooms are more flexible than those of FT and NFT teachers in general. But FT teachers vary among sites (and within some sites, between cohorts), as to the degree of academic emphasis of the program. In addition, teachers' satisfaction with the sponsor varies from site to site.

### Parents' Perceptions of the Model

The Bank Street Model encourages parents to participate in the classroom and in community activities related to the school. As judged by self-reports on the Parent Activity factor, indicated in Table 4-1, FT parents vary considerably from site to site in their reported activities. FT parents in some Bank Street sites feel that the school has had a positive impact on their children. By and large, FT parents are not noticeably more active in the school than are all FT and NFT parents in general. However, FT parents in three of the five Cohort II-K sites are above all FT and NFT parents in general in their assessments of the school's positive impact on their children.

Only FT parents in the New York Cohort III-K site report above average involvement with their children on two scales of the Parent Child Interaction factor. Moreover, FT parents in the Fall River and Brattleboro Cohort III-K sites report below average involvement on one of the two scales in this factor. In terms of locus of control, Cohort III-K FT parents are either average or below average for all FT and NFT parents. FT parents in Cohort II-K and Cohort II-EF sites do not differ substantially in their reported reaction to different domains of the four parent factors. In sum, then, we find a fair amount of variability in FT parents' reactions to the Bank Street Model among sites.

### The Effects on Children

The Bank Street Model views the growth of cognitive and emotional development as complementary processes to be emphasized equally. Thus, one might anticipate that FT children in Bank Street sponsored sites would perform above expectations based on comparison children on the affective and cognitive conceptual measures used in the national evaluation. However, as mentioned in Chapter Two of Volume IV-A, the instruments for both the

## Table 4-1
## SELECTED STANDARDIZED SCORES* FOR TEACHER CLUSTERS AND PARENT FACTORS FOR BANK STREET SITES

| Stream | K*** | | | | | | | | | | | EF*** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | New York, NY | | Philadelphia, PA | | Brattleboro, VT | | Fall River, MA | | New Haven, CT | Rochester, NY | Wilmington, DE | Macon Co., AL |
| Cohort | III | II | III | II | III | II | III | II | III | II | II | II |
| **TEACHER CLUSTERS** | | | | | | | | | | | | |
| Teacher Centered | ▨ 46.9 | | ▨ 56.1 | 47.1 | - - | - - | ▨ 45.6 | | - - | - - | 44.9 | 44.5 |
| Flexible Classroom | ▨ | 52.6 | 54.6 | | - - | - - | ▨ | 54.3 | - - | - - | | 66.1 |
| Individualization | ▨ 56.5 | 56.2 | | 53.2 | | - - | ▨ 43.3 | 53.1 | - - | - - | 47.0 | 58.6 |
| Academic (vs. Emotional) Emphasis | 55.9 | | | 54.5 | - - | - - | 42.5 | 43.9 | - - | | 44.6 | 54.8 |
| Satisfaction with Sponsor | | | 46.5 | 44.7 | - - | - - | | | - - | | 43.0 | 53.9 |
| Range of N's | 4 | 5-6 | 6 | 6-7 | 3 | 3 | 5 | 5 | 2 | 2-3 | 7-8 | 4 |
| **PARENT FACTORS** | | | | | | | | | | | | |
| **School Impact on Child** | | | | | | | | | | | | |
| School Helped Child | 55.3 | | | | 57.9 | 52.5 | 56.5 | 54.7 | | | 47.0 | |
| Child's Progress in School | 56.1 | | 46.8 | 47.5 | 54.8 | 55.1 | | | 53.5 | | 45.6 | |
| Child's Emotional Adjustment | 55.4 | 53.7 | | 53.9 | | | | | | | | |
| School Helped with Child | 55.4 | 53.3 | 55.4 | 56.8 | 54.4 | | 54.8 | | 54.9 | | | |
| School's Receptivity | 54.5 | 53.5 | | | 55.2 | 53.5 | | | 55.8 | | 46.4 | |
| **Parent Activity** | | | | | | | | | | | | |
| Talks with Teacher | | | | | | 55.1 | 45.0 | 44.2 | | | 45.9 | |
| PAC Involvement | 54.3 | | 56.6 | | 57.0 | | 57.4 | 54.9 | 60.4 | | 54.4 | |
| Parent Visits to School | | 52.5 | ▨ 54.7 | | ▨ 53.3 | | | 55.0 | ▨ 53.2 | | | |
| School Helped Personally | | | 53.0 | 56.4 | | 56.3 | 56.6 | | 56.8 | | | |
| **Parent Child Interaction** | | | | | | | | | | | | |
| Child Read to at Home** | 53.7 | | | | 47.0 | | | | 55.3 | | | |
| Child Reads at Home** | 54.3 | | | | | | 46.3 | | 47.2 | | | |
| Parent Child Interaction | ▨ 54.5 | 54.9 | ▨ 57.1 | | | | ▨ 46.3 | 44.3 | | | | |
| **Parent Locus** | | | | | | | | | | | | |
| Parent Locus | | | | | 41.5 | 55.9 | | 46.0 | 43.5 | | 46.2 | |
| Range of N's | 31-35 | 39-56 | 17-19 | 19-26 | 11-12 | 8-12 | 33-34 | 18-30 | 18 | | 14-23 | |

Notes ▨ Untrustworthy: reliability less than .40.

*All teacher and parent attitudes are standardized with a mean of 50 and a standard deviation of 10. Only scores which are based upon four or more responses and deviate from the mean by one-quarter of a standard deviation or more appear on this table.

**Parent factors for Child Read to at Home and Child Reads at home were not calculated for the Cohort II Kindergarten stream.

*** K = Entering Kindergarten stream; EF = Entering First Grade stream.

88

affective and cognitive conceptual domains may only be partially appropriate measures of the affective and cognitive conceptual objectives of this model. We have assessed the effects of this model in four ways.

## Entry-Exit Effects*

When we consider the performance of FT children in Cohort III-K sites on the affective measures, displayed in Table 4-2, we find that most score as well as expectations based on comparison children. We find some slight differences, depending on whether we are using the local or pooled analysis. Moreover, the impact of the Bank Street Model among FT children in Cohort II-EF and Cohort II-K sites is similarly mixed; we find positive null, or negative effects on particular affective measures in particular sites using different analytic strategies.

Similarly, the performance of FT children in Bank Street-sponsored sites on the four basic skills tests and the four cognitive conceptual skills tests varies among sites, cohorts and grade streams. For instance, FT children in New Haven perform as well as expected on all of the cognitive conceptual skills tests and on most of the basic skills tests. But in the New York site, FT children in Cohort III-K perform below expectations on at least two of the cognitive conceptual skills tests and at least two of the basic skills tests. FT children perform as well as expected on the remaining tests in each domain. However, in Cohort II-K, FT children in the New York site perform above expectations on at least two of the cognitive conceptual skills tests and on one of the basic skills tests. And in Macon County, FT children in Cohort II-EF score above expectations on all of the cognitive conceptual skills tests and basic skills tests.

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* Certain effects in the Summary of Effects table for this model have been shaded, indicating that we have some concern about the validity of the FT/NFT comparison. A shaded column indicates an FT/NFT difference of 50 percent or more with preschool experience. (None will occur in Cohort III-K sites, due to preschool adjusted analyses.) Shading of specific outcomes within a column indicates an adjustment of more than one-half standard deviation of the outcome measure. The potential problems associated with such FT/NFT differences are discussed in Chapter Four of Volume IV-A. The shaded effects are therefore presented but not discussed. Although both criteria are applied to every outcome in each site, the shading for preschool differences takes precedence over shading for size of adjustment.

# Table 4-2
## SUMMARY OF EFFECTS FOR BANK STREET SITES

| Stream | | K* | | | | | | | | | | | | | | | | | | | | | | EF* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | | New York, NY | | | | Philadelphia, PA | | | | Brattleboro, VT | | | | Fall River, MA | | | | New Haven, CT | | Rochester, NY | | Wilmington, DE | | Macon Co., AL | |
| Cohort | | III | | II | | III | | II | | III | | II | | III | | II | | III | | II | | II | | II | |
| Domain | Outcome Measure / Analytic Comparison | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled |
| BASIC SKILLS | Word Knowledge | | | | | - | ⊟ | | - | | | ▨ | | ☐ | - | - | - | | | ▨ | ▨ - | ▨ | ▨ | ▨ + | + |
| | Spelling | | ⊟ | | ▨ - | - | ⊟ | | ▨ - | | - | ▨ - | - | ☐ | - | - | - | | | ▨ | ▨ - | ▨ | ▨ - | ▨ | + |
| | Language | ⊟ | ⊟ | | | | | | | | - | ▨ | | | ⊞ | | + | | | ▨ | ▨ | ▨ | ▨ | ▨ | + |
| | Math Computations | - | - | + | + | | | | | - | - | ▨ - | - | | ☐ | | ▨ | | - | ▨ | ▨ + | ▨ | ▨ | ▨ | + |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | - | - | ▨ + | ▨ + | - | - | | - | | | ▨ | + | | | | | | ▨ | ▨ | ▨ | ▨ | ▨ | ▨ | + |
| | Reading | ⊟ | ☐ | | + | | | | | | ☐ | ▨ | | | - | | | | | ▨ | ▨ | ▨ | ▨ | ▨ + | + |
| | Math Concepts | | ⊟ | + | + | | ⊟ | | - | - | - | ▨ | ▨ | | | | ▨ - | | | ▨ | ▨ | ▨ | ▨ - | ▨ | + |
| | Math Problem Solving | | | | | | ⊟ | | - | | - | ▨ | | | | | | | | ▨ | ▨ | ▨ | ▨ | ▨ | + |
| AFFECTIVE MEASURES | Coopersmith | ⊟ | - | | + | | ⊟ | | | | | ▨ | | | | | ▨ + | | | ▨ | ▨ + | ▨ | ▨ + | ▨ | |
| | IARS (–) | | | | | | | | | - | - | ▨ | - | | ⊞ | | - | | - | ▨ | ▨ | ▨ | ▨ | ▨ | + |
| | IARS (+) | | | | | | | | | | | ▨ | - | | | | | | | ▨ | ▨ | ▨ | ▨ | ▨ | - |
| | Total Reading | | | | | ⊟ | ⊟ | | - | | | ▨ - | | | - | | - | | | ▨ | ▨ | ▨ | ▨ | ▨ + | + |
| | Total Math | ☐ | ⊟ | + | + | | ⊟ | | - | - | - | ▨ | - | | | | | | | ▨ | ▨ | ▨ | ▨ - | ▨ | + |
| | Language Part A | | | | + | | | | + | | | ▨ | | | | + | + | | | ▨ | ▨ | ▨ | ▨ + | ▨ + | + |
| | Language Part B | - | ⊟ | | | | | | | - | - | ▨ | - | | + | | | | | ▨ | ▨ | ▨ | ▨ | ▨ | |

| NATIONAL NORMS** | | Site FT Sample** | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Outcome Measures | MAT Sample | | | | | | | | | | | | |
| Reading | 20% | 17 | 10 | 54 | 54 | 35 | 25 | 39 | 51 | 10 | 69 | 72 | 50 |
| Math | 12% | 42 | 8 | 52 | 49 | 47 | 20 | 24 | 31 | 10 | 46 | 72 | 34 |
| Spelling | 22% | 30 | 28 | 48 | 48 | 35 | 40 | 41 | 44 | 15 | 69 | 67 | 54 |
| Language*** | 14% | 72 | | 67 | | 65 | | 37 | | 50 | | | 52 |

Notes: * K = Entering Kindergarten stream; EF = Entering First stream
** In terms of percentage of children performing one or more years below grade level.
No national norms comparisons were made for Cohort II-K children on the Language subtest.

+ FT-favoring effect
- NFT-favoring effect
blank Null effect

☐ Preschool Adjustment changes effect
▨ Untrustworthy effect

In sum, FT children in Bank Street-sponsored sites vary considerably among sites in their performance in the different areas of basic skills and cognitive conceptual skills that we have been able to measure.

## National Norms Comparison

As indicated at the bottom of Table 4-2, a smaller-than-expected* proportion of FT children in New Haven perform at least one year below grade level (the criterion of educational disadvantage**) on three sections of the MAT: Reading, Math and Spelling. Furthermore a smaller-than-expected proportion of FT children in New York (Cohort II-K and Cohort III-K) perform at least on year below grade level on two sections of the MAT (Reading and Math) and one section of the MAT (Reading), respectively. In other sites in this model, a larger-than-expected proportion of FT children perform at least one year below grade level.

## Effects by Type of Preschool

The impact of the Bank Street Model varies somewhat by children's prior preschool experience. As indicated in Figure 4-3, FT Head Start graduates generally perform as well as expectations based on comparison children on all of the cognitive conceptual tests, and on many of the basic skills tests and affective measures. Moreover, we find a notable difference between the local and pooled analysis of FT Head Start graduates on the basic skills measures. By comparison, FT children who have No Preschool experience or who have Some Preschool experience perform below expectations on two or three of the basic skills tests, on two or three of the congitive conceptual skills tests, and on one or two of the affective measures. In these groups we only find slight differences between the local and the pooled analyses.

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* The expected proprotion of children performing at least one year below grade level is shown in the MAT sample column. The reader is cautioned; this expectation is based on the performance of a sample of average children and therefore is a stringent external criterion.

** Section 417 (a)(2) of the General Education Provisions Act provides that for the purpose of the Secretary of HEW's Annual Report the term "educationally disadvantaged children refers to children who are achieving one or more years behind the achievement expected at the appropriate grade level for such children."

### Figure 4-3
## SPONSOR LEVEL SUMMARY OF EFFECTS FOR BANK STREET

| Domain | Analysis / Preschool Experience / Outcome Measure | Preschool Blocked Local Analysis | | | Preschool Blocked Pooled Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Head Start | Some Preschool | No Preschool | Head Start | Some Preschool | No Preschool |
| BASIC SKILLS | Word Knowledge | | – | – | – | – | – |
| | Spelling | | – | – | – | – | – |
| | Language | | | | | | |
| | Math Computations | | | – | – | – | – |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | – | – | | – | – |
| | Reading | | | | | | |
| | Math Concepts | | – | – | | – | – |
| | Math Problem Solving | | – | | | – | |
| AFFECTIVE MEASURES | Coopersmith | | – | – | – | – | |
| | IARS (–) | | | – | | – | – |
| | IARS (+) | | | | | | |
| | Total Reading | | | – | | – | – |
| | Total Math | | – | – | | – | – |
| | Language Part A | | | | | | |
| | Language Part B | | | | | – | |

Notes:
+ FT-favoring effect
– NFT-favoring effect
blank Null effect
☐ Sample size of less than 30 children

Longitudinal Effects

In the longitudinal analysis (see Volume IV-D for details), most FT children in general -- and FT children with Some Preschool experience in particular -- progress similarly to comparison children on all reading and math achievement measures, both during kindergarten and first grade, and during second and third grade. FT children with No Preschool experience progress more than comparison children on the math achievement measures during kindergarten and first grade, and then progress less than expected during second and third grades. Furthermore, these FT children progress less than the comparison group on the reading measure during the second and third grade. In other words, FT children with No Preschool experience make relatively greater progress on math achievement measures early in the program, but are unable to sustain their advantage later in the program.

An insufficient number of cases prevents us from examining the longitudinal progress for FT Head Start graduates in this model.

## Summary

The Bank Street Model focuses on tasks that are both satisfying in terms of the child's own goals and productive for cognitive and affective development. Academic skills are learned in the context of a relevant, engaging classroom life. Hence, in many of this sponsor's sites, FT teachers report that their classrooms are more flexible than average. FT parents in some sites feel that the school has had an impact on their children. By and large, FT parents are not notably more involved in the school than are parents in general.

The performance of FT children on the various measures of the outcome battery varies somewhat among sites and within sites, between cohorts. In general, FT children perform somewhat differently on the basic skills tests than they do on the cognitive conceptual skills tests and affective measures. In the basic skills domain, FT children perform above comparison children 12 percent of the time and as well as the comparison children 55 percent of the time. In the cognitive conceptual skills domain and the affective domain, FT children perform above the comparison children 6 and 12 percent of the time, and perform as well as the comparison children 66 and 75 percent of the time, respectively.

FT children with different kinds of prior preschool experiences respond somewhat differently to the Bank Street Model. FT Head Start graduates tend to perform as well as comparison children within the basic skills and cognitive conceptual skills domains. FT children with either Some Preschool experience or No Preschool experience tend to perform below comparison children on many of the tests within both domains.

Finally, relative to disadvantaged children in general, FT children progress as well as expected on achievement tests, both early and late in the program. FT children with No Preschool experience progress better than expected on math achievement during kindergarten and first grade but are unable to sustain their advantage during second and third grades.

## CHAPTER FIVE

## DIRECT INSTRUCTION MODEL
University of Oregon College of Education

### The Model

The Direct Instruction Model is a behaviorally oriented educational program. It utilizes a tightly controlled instructional methodology and highly structured teaching materials. Its aim is to accelerate the learning of disadvantaged children in reading, language, and arithmetic. Although the instruction is programmed, the emphasis is placed on the children's learning intelligent behavior rather than specific pieces of information by rote memorization. The Direct Instruction approach uses a fast moving series of programmed questions and answers. Teachers present specified questions to elicit a verbal child response. Proper responses are reinforced and wrong answers are corrected according to specified procedures. These questions, answers, and correction procedures are contained in the Direct Instructional System in Arithmetic and Reading (DISTAR®) materials published by Science Research Associates (SRA). Noncore subjects are generally introduced after mastery of basic skills.

Direct Instruction teachers are trained in the use of the DISTAR® programs. Teachers use these programmed materials with small homogeneous groups of children for set periods of time. The groups rotate by schedule. The children follow this group instruction with self-directed practice in workbooks. Planned home practice or new skills are also coordinated with the classroom lesson. The Direct Instruction goal for teachers is that they become proficient practitioners of the model's techniques. Criterion-referenced tests are administered to children at frequent and regular intervals to provide information to the teachers on student progress. Supervisors use video taping and observations to allow teachers to evaluate their own performances in the classroom.

Parents participate in the program in several capacities: some are employed in each classroom on a permanent basis as teacher aides (one or two per classroom) and assistants; others are employed as needed and trained to administer the criterion-referenced pupil progress tests and operate the video tape equipment to film the teacher at work in the classroom; still others are employed as family workers. In this latter capacity they acquaint parents with the Direct Instruction program, provide specially developed materials which parents can use at home to supplement classroom instruction, make available to those parents who so desire, a sponsor-developed programmed course in child management, encourage participation in PAC meetings, and assist in training the classroom aides and assistants. Finally, parent workers provide parents not directly involved in the school program with information about their child's progress and organize parents experiencing difficulties into problem-solving groups.

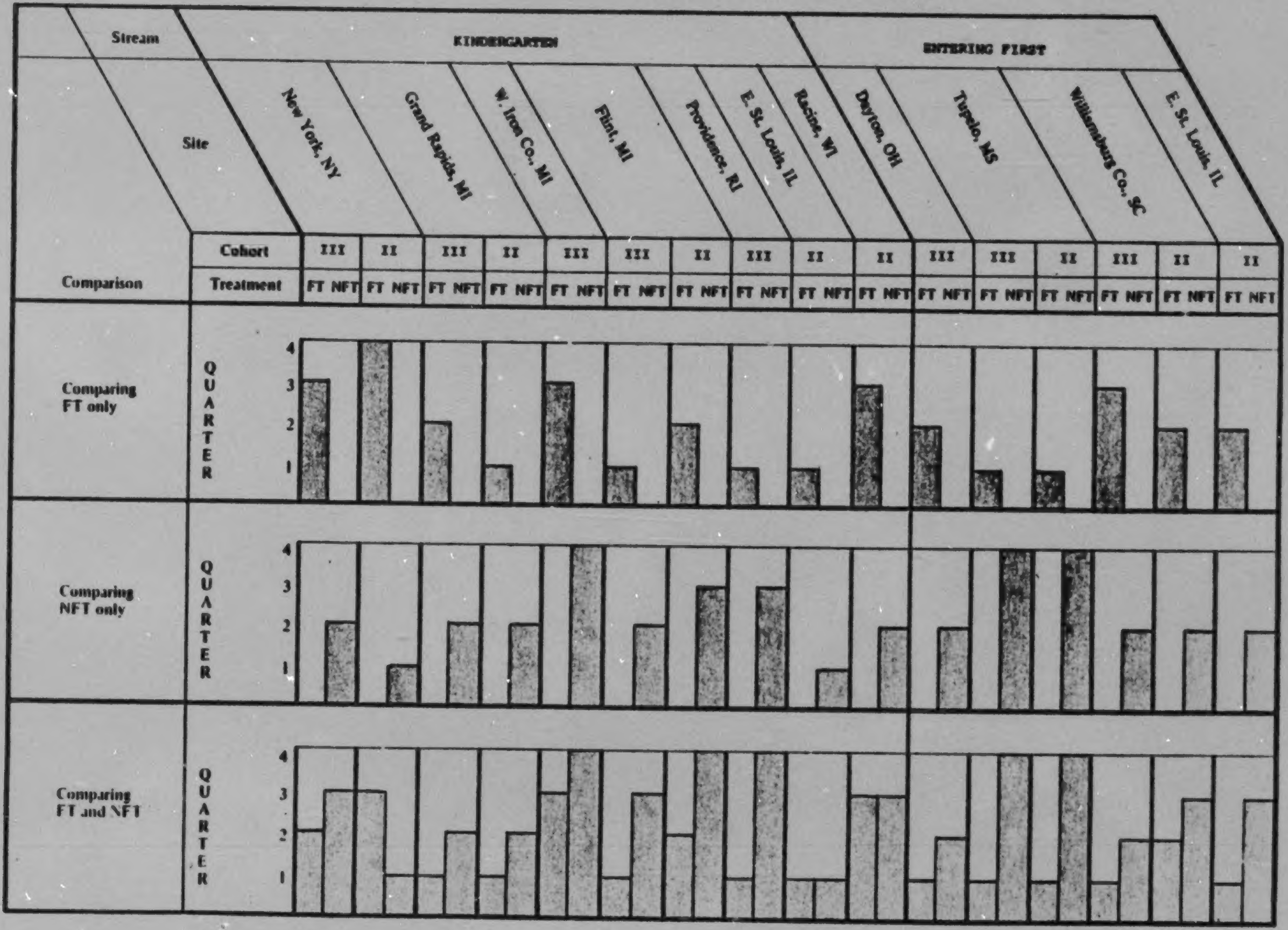
## The Direct Instruction Model as Realized in Follow Through

The Direct Instruction Model is evaluated in ten sites: New York, NY; Grand Rapids, MI; West Iron County, MI; Flint, MI; Providence, RI; East St. Louis, IL; Racine, WI; Dayton, OH; Tupelo, MS; and Williamsubrg, SC. Direct Instruction-sponsored sites are represented in both the entering kindergarten and entering first streams of Cohort III and Cohort II.

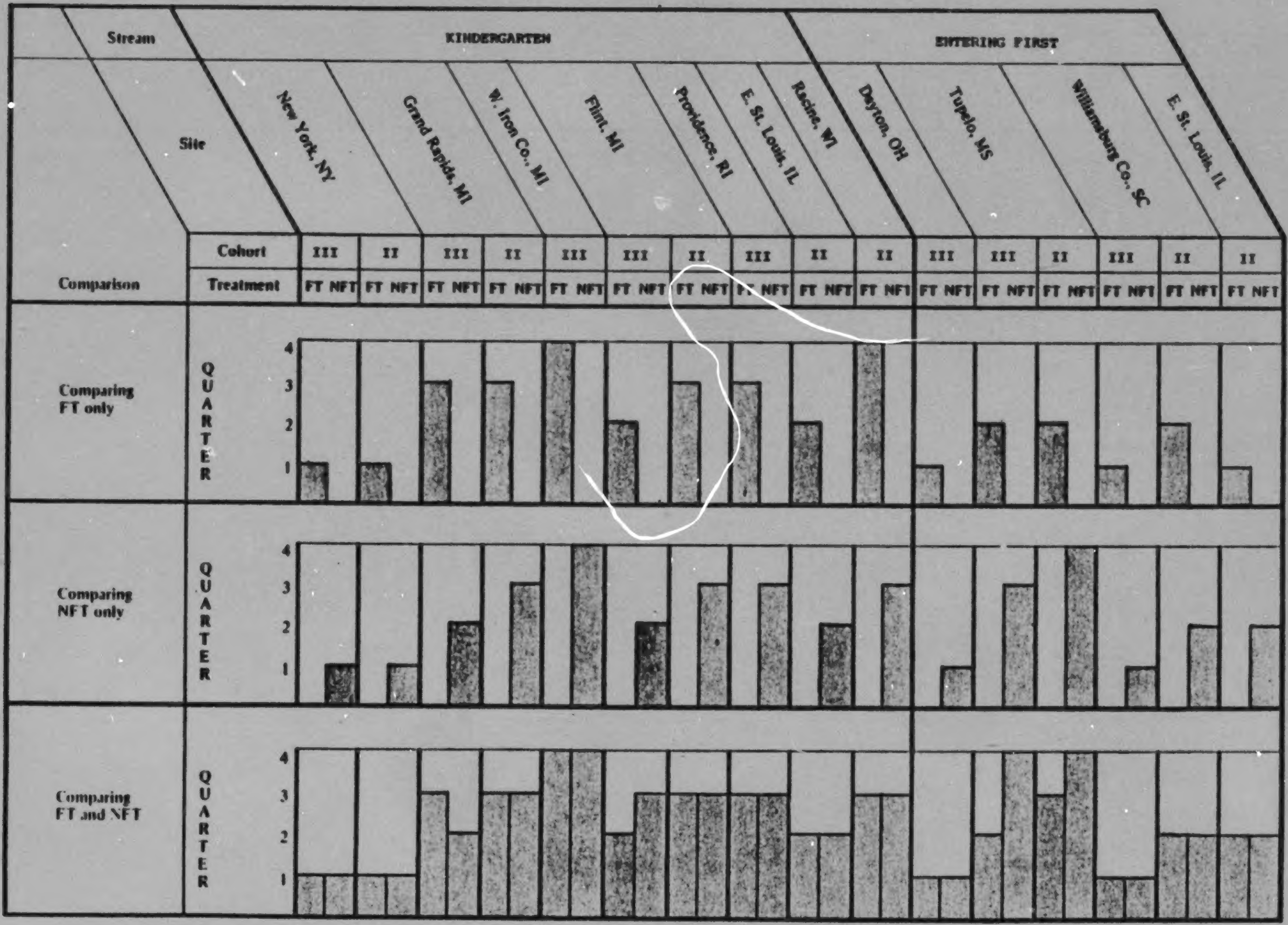
### Sample Description

As indicated in Figure 5-1, the Direct Instruction site groups are well-distributed over the Follow Through range of socioeconomic status. Local FT and NFT groups are fairly comparable, except in Providence and Tupelo and, to a lesser extent, in Flint and East St. Louis (Cohort II-EF), where NFT has notably higher SES than FT. In New York, East St. Louis, and Flint (Cohort III only), and in all Cohort III entering first sites, Direct Instruction works with groups which include heavy concentrations of ethnic-linguistic minorities (See Figure 5-2). Only in Tupelo (Cohort III-EF) do the local FT and NFT groups differ importantly in ethnic-linguistic composition.

## Figure 5-1
## RANKINGS ON THE SOCIOECONOMIC DISCREPANCY INDEX FOR DIRECT INSTRUCTION SITES



## Figure 5-2
## RANKINGS ON ETHNIC-LINGUISTIC INDEX FOR DIRECT INSTRUCTION SITES



### Teachers' Perceptions of the Model

The Direct Instruction Model is a behavioral approach to teaching and learning. From the model one might expect the teachers to report a high degree of structure in the form of academic emphasis and teacher centeredness, with a low degree of flexibility. As indicated in Table 5-1, a high degree of structure characterizes all ten of the Direct Instruction sites. All of the FT teachers in Cohort III and most of those in Cohort II report that their classrooms have an especially high degree of teacher centeredness. Most of the teachers in Cohort III and Cohort II report low degrees of flexibility. Many FT teachers in Cohort III and Cohort II report above average academic versus emotional emphasis. FT teachers' satisfaction with the sponsor varies considerably among sites, cohorts and grade streams.

### Parents' Perceptions of the Model

Parental reactions to the Direct Instruction Model vary greatly and depend not only on the particular factor considered but also on the site, cohort, and grade stream. For instance, FT parents in Flint in both Cohort III and Cohort II are above average in their assessment of the school's impact on their children. By comparison, FT parents in New York Cohort III do not feel consistently that the school has had a positive impact on their children.

Cohort III-K parents in two sites -- New York and Flint -- report above average parental activities along most of the domains of the parental activity factor. Cohort III-EF parents in one site, Williamsburg County, report above average interactions with their children along all three domains of the Parent-Child Interaction Factor. In addition, parents in both cohorts in this site report above average parental locus of control. In sum, parental reactions to the Direct Instruction Model are quite disparate. We find no uniform set of responses across sites, cohorts, or grade streams.

### Effects on Children

The Direct Instruction Model emphasizes highly structured instruction in the basic skills areas of the elementary school curriculum -- language and arithmetic. Thus, one might expect that FT children in the

# Table 5-1
# SELECTED STANDARDIZED SCORES* FOR TEACHER CLUSTERS AND PARENT FACTORS FOR DIRECT INSTRUCTION SITES

| Stream | KINDERGARTEN | | | | | | | | | | ENTERING FIRST | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | New York, NY | | Grand Rapids, MI | | W. Iron Co., MI | Flint, MI | | Providence, RI | E. St. Louis, IL | Racine, WI | Dayton, OH | Tupelo, MS | | Williamsburg Co., SC | | E. St. Louis, IL |
| Cohort | III | II | III | II | III | III | II | III | II | II | III | III | II | III | II | II |
| **TEACHER CLUSTERS** | | | | | | | | | | | | | | | | |
| Teacher Centered | - - | - - | 54.3 | 59.4 | - - | 70.3 | 65.0 | 62.6 | 52.7 | 42.9 | 62.7 | 63.8 | 59.0 | 69.1 | 61.6 | 58.1 |
| Flexible Classroom | | - - | 42.7 | 40.4 | - - | 41.3 | 37.1 | | | | | 39.0 | 39.7 | 37.1 | 36.3 | 44.6 |
| Individualization | - - | - - | 47.3 | 41.7 | - - | 47.3 | 40.7 | | - - | 44.1 | 42.9 | 40.9 | 45.2 | 42.1 | | |
| Academic (vs. Emotional) Emphasis | - - | - - | 54.2 | 56.2 | - - | 55.9 | 53.6 | | | 43.9 | | 47.2 | 54.8 | 63.6 | | 59.8 |
| Satisfaction with Sponsor | - - | - - | 43.7 | 41.6 | - - | 57.8 | | 52.5 | | 42.5 | 58.0 | 46.0 | 58.1 | 53.0 | 55.7 | |
| Range of N's | 2 | 2 | 8 | 7 | 1 | 4 | 5-6 | 5 | 2-9 | 3-4 | 5 | 4 | 4-5 | 4 | 6 | 6 |
| **PARENT FACTORS** | | | | | | | | | | | | | | | | |
| **School Impact on Child** | | | | | | | | | | | | | | | | |
| School Helped Child | 47.4 | | 53.2 | 53.1 | | 52.6 | 53.6 | 53.8 | | | 53.6 | 54.7 | | | 52.9 | |
| Child's Progress in School | | 52.6 | | | 45.3 | 55.7 | 55.3 | | 52.9 | 52.8 | | | 45.8 | | | 53.2 |
| Child's Emotional Adjustment | | | 47.1 | | 45.5 | 54.1 | 54.0 | | | 46.8 | 53.2 | | | 54.3 | 54.9 | |
| School Helped with Child | 55.4 | 55.1 | 53.9 | | 53.8 | 55.8 | 57.2 | | | | 53.0 | 55.9 | 53.6 | 54.8 | 56.2 | 54.7 |
| School's Receptivity | 47.1 | | 52.5 | | | 54.3 | | | 41.4 | 43.9 | | | | | | |
| **Parent Activity** | | | | | | | | | | | | | | | | |
| Talks with Teacher | 54.1 | 45.9 | | | | | | 41.4 | | 52.5 | 55.4 | 45.0 | 42.2 | 46.0 | 45.2 | |
| PAC Involvement | 61.2 | 56.6 | 54.5 | 55.3 | 58.1 | 56.4 | | | | | | 57.8 | 54.0 | | | |
| Parent Visits to School | 53.3 | | | | | 53.4 | 57.6 | 46.9 | | | | 46.5 | 47.5 | | | 52.9 |
| School Helped Personally | 58.3 | 52.8 | | | | 56.2 | 54.7 | 53.0 | | | 53.5 | | | | | 54.6 |
| **Parent Child Interaction** | | | | | | | | | | | | | | | | |
| Child Read to at Home ** | | | | | | | | 44.6 | | | 46.0 | 47.3 | | 53.4 | | |
| Child Reads at Home ** | | | | | | 54.0 | | 47.2 | | | | | 47.2 | 53.8 | 52.5 | 54.6 |
| Parent Child Interaction | ▨ 57.8 | | ▨ 48.8 | | | ▨ 54.8 | | | | | 44.7 | 47.1 | | 54.8 | | ▨ 46.5 |
| **Parent Locus** | | | | | | | | | | | | | | | | |
| Parent Locus | | 52.5 | 52.7 | 47.3 | 46.1 | | 52.7 | | 52.5 | 47.2 | | | 54.6 | 55.6 | 58.4 | |
| Range of N's | 12 | 13-17 | 32-34 | 15-24 | 17 | 24-26 | 25-39 | 30 | 8-15 | 19-39 | 24-25 | 25-29 | 33-37 | 28-32 | 65-67 | 35-37 |

Notes: ▨ Untrustworthy: reliability less than .40.

*All teacher and parent attitudes are standardized with a mean of 50 and a standard deviation of 10. Only scores which are based upon four or more responses and deviate from the mean by one-quarter of a standard deviation or more appear on this table.

**Parent factors for Child Read to at Home and Child Reads at home were not calculated for the Cohort II Kindergarten stream.

Direct Instruction sponsored sites may be especially likely to perform above expectations set by the comparison group on the basic skill tests in our outcome battery. We have assessed the effects of this model in four ways.

Entry-Exit Effects*

In many sites FT children perform above expectations on some of the basic skills tests. Cohort III-K FT children in New York, Providence and Flint perform above expectations on two of the four basic skills measures (see Table 5-2). On the whole, FT children in these three sites perform as well as expected on the remaining basic skills tests. Similarly, FT children in New York and Flint perform above expectations on one to three of the cognitive conceptual skills tests, depending on the analytic strategy used.

Nevertheless, this general pattern of mainly positive or null effects on the basic skills and cognitive conceptual skills domains is not consistent across all Direct Instruction sponsored sites in Cohort III-K. For example, judged by the pooled analysis, FT children in West Iron County perform below expectations on two of the four basic skills tests and on all of the cognitive conceptual skills tests. But, judged by the local analysis, FT children here perform as well as expected on all basic skills tests and cognitive conceptual skills tests.

Considering the entering first streams of Direct Instruction sponsored FT sites, we find that the results are less varied and more favorable than those reported in Cohort III-K. For instance, FT children in Williamsburg County consistently perform above expectations on all four basic skills tests and on three of the cognitive conceptual skills tests.

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* Certain effects in the Summary of Effects table for this model have been shaded, indicating that we have some concern about the validity of the FT/NFT comparison. A shaded column indicates an FT/NFT difference of 50 percent or more with preschool experience. (None will occur in Cohort III-K sites, due to preschool adjusted analysis.) Shading of specific outcomes within a column indicates an adjustment of more than one-half standard deviation of the outcome measure. The potential problems associated with such FT/NFT differences are discussed in Chapter Four of Volume IV-A. The shaded effects are therefore presented but not discussed. Although both criteria are applied to every outcome in each site, the shading for preschool differences takes precedence over shading for size of adjustment.

# Table 5-2
## SUMMARY OF EFFECTS FOR DIRECT INSTRUCTION SITES

| Stream | | KINDERGARTEN | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | | New York, NY | | | | Grand Rapids, MI | | | | W. Ifon Co., MI | | Flint, MI | | | | Providence, RI | | E. St. Louis, IL | | Racine, WI | |
| Cohort | | III | | II | | III | | II | | III | | III | | II | | III | | II | | II | |
| Domain | Outcome Measure / Analytic Comparison | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled |
| BASIC SKILLS | Word Knowledge | | □ | | ▨ | | | ▨ | | ▨ | − | | | | | | ▨ | ▨ | + | − | − |
| | Spelling | | □ | | ▨ + | | | ▨ | ▨ + | | − | | ⊞ | | ▨ | | ▨ | ▨ | ▨ + | − | − |
| | Language | + | + | + | ▨ + | | − | ▨ + | − | | | + | + | + | ▨ + | + | ▨ + | ▨ + | + | | |
| | Math Computations | + | + | ▨ | ▨ + | | | ▨ | | | | + | + | + | ▨ + | + | ▨ + | ▨ + | + | | |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | | | ▨ | | | ▨ | − | | ▨ | − | − | | + | | | ▨ | − | − | − |
| | Reading | | | | ▨ + | | ⊞ | ▨ | | ▨ | − | | + | | + | ▨ | ▨ | ▨ | + | | |
| | Math Concepts | ⊞ | + | | ▨ | □ | − | ▨ | − | ▨ □ | − | | + | ▨ + | ▨ + | ▨ + | ▨ + | ▨ − | ▨ + | | |
| | Math Problem Solving | ⊞ | + | | ▨ + | | | ▨ | − | □ | − | + | + | + | + | ▨ + | ▨ + | ▨ | + | | |
| AFFECTIVE MEASURES | Coopersmith | | − | | ▨ + | | − | ▨ | + | | | − | − | | ▨ | | | ▨ | + | | + |
| | IARS (−) | | □ | | ▨ | | + | ▨ | | | | | | | | | + | ▨ | | | |
| | IARS (+) | | | | ▨ | | | ▨ | | | ⊞ | | | | | | ⊞ | ▨ | | | |
| | Total Reading | | □ | | ▨ + | | | ▨ | | ▨ | − | | | | | ▨ | ▨ | ▨ | + | − | − |
| | Total Math | + | + | | ▨ + | | − | ▨ | − | ▨ | − | + | + | + | + | ▨ | ▨ + | ▨ + | + | | |
| | Language Part A | | + | | ▨ + | | | ▨ | | | | | ⊞ | + | + | | ▨ + | ▨ + | + | | |
| | Language Part B | + | + | + | ▨ + | | − | ▨ − | − | | | + | + | + | + | + | ▨ + | ▨ + | + | | |

| Stream | | ENTERING FIRST | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | | Dayton, OH | | Tupelo, MS | | | | Williamsburg Co., SC | | | | E. St. Louis, IL | |
| Cohort | | III | | III | | II | | III | | II | | II | |
| Domain | Outcome Measure / Analytic Comparison | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled |
| BASIC SKILLS | Word Knowledge | | | − | ▨ | ▨ + | ▨ | + | + | + | ▨ + | ▨ | + |
| | Spelling | − | − | | ▨ | | ▨ + | + | + | + | ▨ + | ▨ | |
| | Language | + | + | ▨ | ▨ | | ▨ + | + | + | + | ▨ + | ▨ + | + |
| | Math Computations | + | + | | ▨ | ▨ | ▨ − | + | + | + | ▨ + | ▨ + | + |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | | ▨ | ▨ | ▨ + | ▨ + | | | | + | ▨ | |
| | Reading | | | − | ▨ | − | ▨ | + | + | + | ▨ + | ▨ | |
| | Math Concepts | + | + | | ▨ | ▨ + | ▨ | + | + | | ▨ + | ▨ + | + |
| | Math Problem Solving | + | + | | ▨ + | − | ▨ + | + | + | + | ▨ + | ▨ + | + |
| AFFECTIVE MEASURES | Coopersmith | | − | | | | + | + | + | + | + | ▨ | + |
| | IARS (−) | | + | | | | ▨ | | + | + | + | ▨ | |
| | IARS (+) | + | + | ▨ | − | | | + | + | + | + | ▨ | |
| | Total Reading | | | − | ▨ | ▨ − | ▨ | + | + | + | ▨ + | ▨ | + |
| | Total Math | + | + | | ▨ | ▨ | ▨ − | + | + | + | ▨ + | ▨ + | + |
| | Language Part A | + | + | ▨ | ▨ + | | ▨ | + | + | + | + | ▨ + | + |
| | Language Part B | + | + | ▨ | ▨ + | | ▨ + | + | + | + | ▨ + | ▨ + | + |

| NATIONAL NORMS* | | Site FT Sample* | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Outcome Measures | MAT Sample | New York, NY III | New York, NY II | Grand Rapids, MI III | Grand Rapids, MI II | W. Ifon Co., MI III | Flint, MI III | Flint, MI II | Providence, RI III | E. St. Louis, IL II | Racine, WI II | Dayton, OH III | Tupelo, MS III | Tupelo, MS II | Williamsburg Co., SC III | Williamsburg Co., SC II | E. St. Louis, IL II |
| Reading | 20% | 18 | 10 | 41 | 40 | 12' | 3 | 17 | 25 | 18 | 21 | 43 | 41 | 42 | 45 | 60 | 43 |
| Math | 12% | 7 | 10 | 41 | 44 | 0 | 9 | 10 | 14 | 2 | 5 | 13 | 20 | 20 | 33 | 50 | 15 |
| Spelling | 22% | 18 | 6 | 36 | 33 | 6 | 6 | 20 | 27 | 21 | 23 | 45 | 38 | 41 | 38 | 53 | 31 |
| Language** | 14% | 11 | | 77 | | 12 | 17 | | 22 | | | 30 | 25 | 22 | 42 | 30 | 15 |

Notes:

* In terms of percentage of children performing one or more years below grade level.

No national norms comparisons were made for Cohort II-K children on the Language subtest.

| | |
|---|---|
| + | FT-favoring effect |
| − | NFT-favoring effect |
| blank | Null effect |
| □ | Preschool Adjustment changes effect |
| ▨ | Untrustworthy effect |

We can make cross-cohort comparisons in four sites: Grand Rapids, Flint, Tupelo and Williamsburg County. In Grand Rapids, FT children in Cohort III-K have not performed as poorly as FT children in Cohort II-K on the basic skills and cognitive conceptual skills tests. Flint and Williamsburg County FT children in Cohort III-K are generally comparable to FT children in Cohort II-K in their performance on outcome measures.

To some observers the performance of FT children in Direct Instruction sponsored sites on the affective measures is an unexpected result. The Direct Instruction Model does not explicitly emphasize affective outcomes of instruction but the sponsor has asserted that they will be the consequence of effective teaching. Critics of the model have predicted that the emphasis of the model on tightly controlled instruction might discourage children from freely expressing themselves and thus inhibit the development of self-esteem and other affective skills. In fact, this is not the case. In most of the Cohort III-K and Cohort II-K sites, the FT children generally performed as well as expected on the affective measures. Furthermore, in the entering first stream, FT children in Williamsburg County and Dayton perform above expectations on many of the affective measures. In other words, the Direct Instruction Model does not specifically inhibit the affective outcomes that we have been able to measure. Rather, in general, affective outcomes vary considerably among sites, and within sites, between local and pooled comparison groups.

## National Norms Comparisons

As indicated at the bottom of Table 5-2, a smaller-than-expected* proportion of FT children in New York, West Iron County, Flint (Cohort II-K) and East St. Louis (Cohort II-K) perform at least one year below grade level (the criterion of educational disadvantage**) on all sections of the MAT. Moreover, a smaller-than-expected proportion of FT in Flint (Cohort III-K) and Racine perform at least one year below grade level on three and one sections of the MAT, respectively.

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* The expected proportion of children performing at least one year below grade level is shown in the MAT sample column. The reader is cautioned; this expectation is based on the performance of a sample of average children and therefore is a stringent external criterion.

** Section 417 (a)(2) of the General Education Provisions Act provides that for the purpose of the Secretary of HEW's Annual Report the term "educationally disadvantaged children refers to children who are achieving one or more years behind the achievement expected at the appropriate grade level for such children.

107

Figure 5-3
SPONSOR LEVEL SUMMARY OF EFFECTS
FOR DIRECT INSTRUCTION

| Domain | Analysis / Preschool Experience / Outcome Measure | Preschool Blocked Local Analysis | | | Preschool Blocked Pooled Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Head Start | Some Preschool | No Preschool | Head Start | Some Preschool | No Preschool |
| BASIC SKILLS | Word Knowledge | | | | + | | |
| | Spelling | | | | + | | |
| | Language | + | + | | + | | |
| | Math Computations | + | + | | + | | |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | | | | | |
| | Reading | | | | + | | |
| | Math Concepts | + | | | + | – | |
| | Math Problem Solving | + | | | + | | |
| AFFECTIVE MEASURES | Coopersmith | | – | | | – | – |
| | IARS (–) | + | | | + | | |
| | IARS (+) | | | – | + | | – |
| | Total Reading | | | | + | | |
| | Total Math | + | + | | + | | |
| | Language Part A | + | | | + | | |
| | Language Part B | + | + | | + | | |

Notes:
+ FT-favoring effect
– NFT-favoring effect
blank Null effect
▨ Sample size of less than 30 children

## Effects by Type of Preschool Experience

FT children with different types of preschool experiences show different kinds of results in the Direct Instruction Model. As indicated in Figure 5-3, FT Head Start graduates are quite likely to perform above expectations on many of the basic skills tests, cognitive conceptual skills tests and affective measures. FT children with No Preschool experience perform as well as expected on the basic skills tests and cognitive conceptual skills tests, and below expectations on at least one of the three affective measures. FT children with Some Preschool experience perform above expectations on two of the four basic skills tests, judging by the local analysis; however, these FT children perform only as well as expected on all basic skills tests, judging by the pooled analysis. Furthermore, these FT children perform as well as expected on three or four of the cognitive conceptual skills tests, also depending on the analysis. And these FT children perform below expectations on one of the affective measures. Thus, FT Head Start graduates are most likely to benefit from the Direct Instruction model; FT children with No Preschool experience or Some Preschool experience benefit less from this model.

### Longitudinal Effects

In the longitudinal analysis (see Volume IV-D for details) the majority of FT children in the Direct Instruction Model make greater progress on the Reading measures relative to comparison children, during kindergarten and first grade; then these FT children make relatively less progress in reading during second and third grades. On the other hand, a majority of FT children make relatively greater progress on the Total Math and Math Compuatation measures during both intervals. A majority of FT children also make relatively greater progress on the Math Concepts measures during the second and third grades. Finally, FT Head Start graduates or FT children with Some Preschool experiences do not notably differ in their patterns of relative progress either early or late in the program. Unfortunately, there are not enough cases among FT children with No Preschool experience to permit a detailed analysis of their patterns of longitudinal gains.

### Summary

The Direct Instruction Model is a highly structured, behavioral approach, designed to teach the basic and conceptual skills in reading, language and arithmetic. Children use a new curriculum, DISTAR©, published by Science Research Associates, and work in small homogeneous groups. FT teachers in this model's sites characterize their classes as more structured than average. Parents' reactions to the model are mixed and vary among sites, cohorts and grade streams.

The performance of FT children on the various measures of the outcome battery varies somewhat among sites. Where cross-cohort comparisons are possible, the results are fairly concsistent. In general, FT children excel in the basic skills domain. On these measures, they perform above comparison children 43 percent of the time and as well as comparison children 44 percent of the time. In the cognitive conceptual skills domain and the affective domain, FT children perform above the comparison children 35 and 28 percent of the time, and as well as the comparison children 48 and 64 percent of the time, respectively.

Moreover, the benefits of the Direct Instruction Model depends on the FT children's prior preschool experiences. FT Head Start graduates perform better than FT children with Some Preschool experience or No Preschool experience.

Finally, relative to comparison children in general, FT children in the Direct Instruction Model excel in reading achievement during kindergarten and first grade, and then do not do as well as expected during second and third grade. Nevertheless, these FT children excel in some measures of math achievement both during kindergarten and first grade, and during second and third grade.

# CHAPTER SIX

## BEHAVIOR ANALYSIS MODEL (BA)

Support and Development Center for Follow Through - University of Kansas

### The Model

The Behavior Analysis Model (BA) recommends a highly structured yet flexible approach. Its primary objective is the children's mastery of reading, arithmetic, handwriting, and spelling skills. The program includes aspects of team teaching, non-graded classrooms, programmed instruction, individualized teaching, and a token reinforcement system. The result is an education system which unites professional educators, para-professionals, and parents in the teaching process.

As an instructional system, BA follows a standard but flexible pattern. The BA program gives primary emphasis to the basic academic skills of reading, arithmetic and language arts in the primary grades. This emphasis does not imply that music, science, art, and social studies are unimportant. It only asserts the primary importance of the core subjects as a necessary foundation for success and achievement throughout school.

The BA model is operationalized by establishing a "token economy" or "contracting arrangement" within each classroom. Teachers award tokens for improved social and academic performance. The children can use these tokens during an exchange period to purchase activities of their choosing, such as games, toys, and books. Tokens and praise are distributed according to individual rather than group performance. The sponsor deems this instructional approach appropriate for all children regardless of their socioeconomic and/or educational status.

Teachers may choose among sponsor-developed and commercial learning materials, but are encouraged to select those which can be adapted to the model. Using a machine-readable data form, teachers prepare continuous progress reports on each child. The data is then computer-analyzed and an individual progress prescription is returned within a day. Teachers are trained in the use of systematic, positive reinforcement. The sponsor supports the elimination of punitive and coercive teacher behavior and encourages teachers to set specific academic objectives for the child.

To provide the necessary amount of individual attention, BA classrooms are staffed by three or four adults. The lead teacher heads the team and generally takes special responsibility for the reading instruction. A full-time aide ususally takes special responsibility for the small math groups, and the parent aids(s) concentrates on handwriting and spelling lessons and individual tutoring. At the end of eight weeks the teaching parents may continue or not as they choose. Although many parents serve only for an eight week session and teach in only one curriculum area, some teach a full year in as many as three curriculum areas. Many eventually become permanent teacher aides.

## The BA Model as Realized in Follow Through

The BA Model is evaluated in eight sites: New York, NY; Philadelphia, PA; Portageville, MO; Trenton, NJ; Kansas City, MO; Louisville, KY; Waukegan, IL; and Meridan, IL. The BA sponsored sites are represented in the kindergarten stream both of Cohort III and Cohort II.

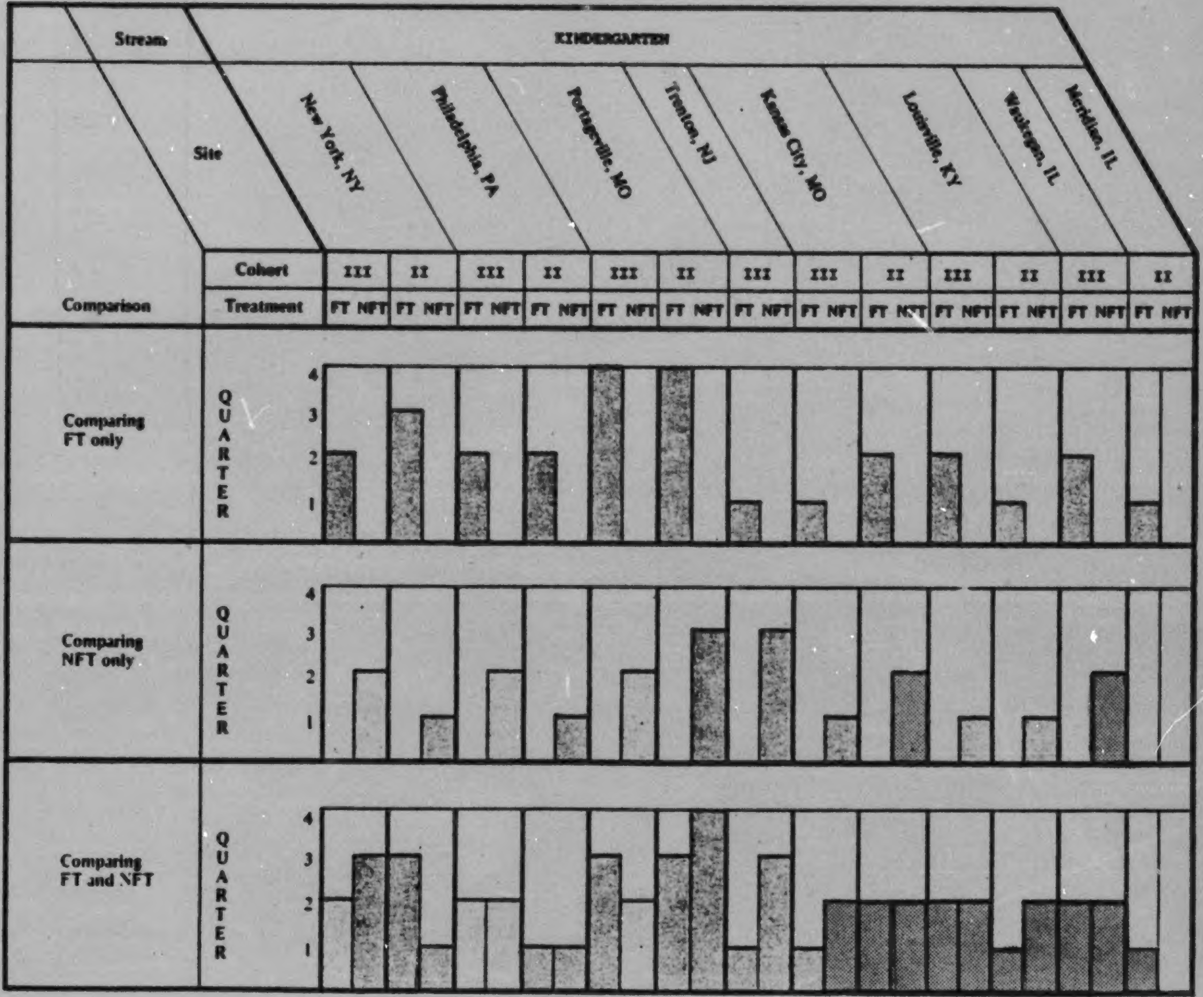
### Sample Description

As indicated in Figure 6-1, FT children in BA sites are similar with respect to socioeconomic status to the NFT children, except in New York (Cohort II) and Trenton. Aside from Portageville, all BA sites include large concentrations of ethnic-linguistic minorities (see Figure 6-2). Meridan, Illinois is not included in this discussion, as no local comparisons exist.

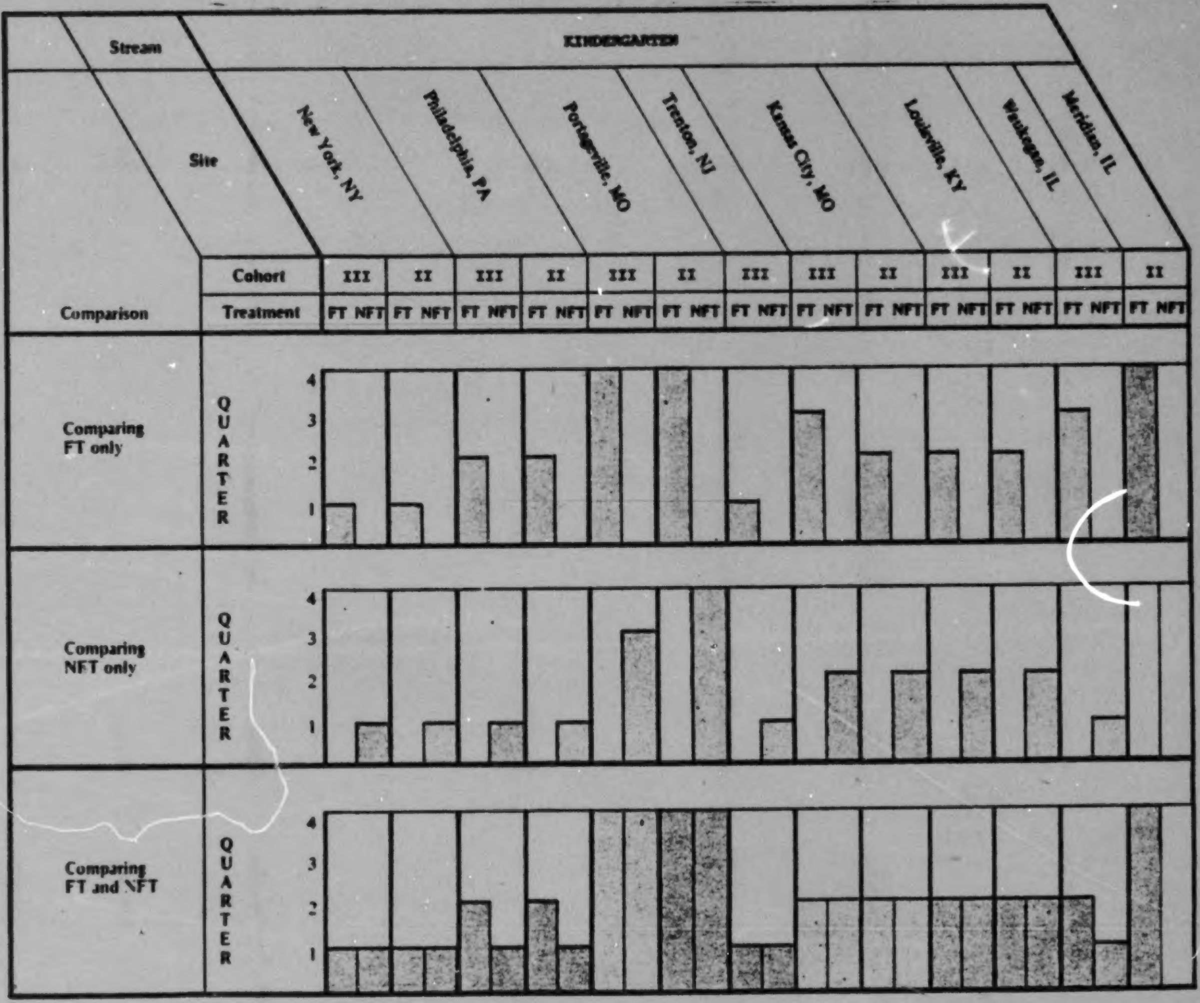
### Teachers' Perceptions of the Model

The BA Model stresses individualized instruction. As shown in Table 6-1, teachers in most sites report above average emphasis on individualization. The Portageville and Kansas City FT sites are exceptions:

## Figure 6-1
## RANKINGS ON THE SOCIOECONOMIC DISCREPANCY INDEX FOR BEHAVIOR ANALYSIS SITES



## Figure 6-2
## RANKINGS ON ETHNIC-LINGUISTIC INDEX FOR BEHAVIOR ANALYSIS SITES



## Table 6-1
## SELECTED STANDARDIZED SCORES*
## FOR TEACHER CLUSTERS AND PARENT FACTORS
## FOR BEHAVIOR ANALYSIS SITES

| Stream | KINDERGARTEN | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | New York, NY | | Philadelphia, PA | | Portageville, MO | | Trenton, NJ | Kansas City, MO | | Louisville, KY | | Waukegan, IL | Meridian, IL |
| Cohort | III | II | III | II | III | II | III | III | II | III | II | III | II |
| **TEACHER CLUSTERS** | | | | | | | | | | | | | |
| Teacher Centered | | | 52.9 | 55.5 | | | | | 52.6 | 59.7 | 56.7 | - - | 54.1 |
| Flexible Classroom | ▨ | 45.5 | | | ▨ | – – | ▨ | ▨ | | ▨ | 46.2 | | 53.6 |
| Individualization | 58.9 | 63.5 | 53.9 | 56.5 | 42.6 | – – | 60.6 | | | 55.7 | 59.0 | - - | 56.5 |
| Academic (vs. Emotional) Emphasis | 65.1 | 63.3 | | 53.0 | 54.2 | – – | 46.2 | | | 57.0 | 53.0 | - - | - - |
| Satisfaction with Sponsor | 46.5 | 46.0 | 54.8 | | 53.1 | – – | | 59.0 | 52.8 | | | - - | 58.1 |
| Range of N's | 4 | 4 | 10-12 | 8-10 | 4 | 3 | 8 | 6 | 6-7 | 6 | 6-7 | 3 | 3-4 |
| **PARENT FACTORS** | | | | | | | | | | | | | |
| **School Impact on Child** | | | | | | | | | | | | | |
| School Helped Child | | | | | | 53.0 | 52.8 | | 52.8 | | | 54.8 | |
| Child's Progress in School | | 54.3 | 47.1 | | 45.8 | | | | | | | | |
| Child's Emotional Adjustment | 45.1 | | | 42.1 | | 54.1 | 53.1 | | | | | 54.1 | |
| School Helped with Child | 52.5 | 53.8 | 54.1 | 52.5 | 46.9 | | 55.8 | | | | 54.8 | 56.7 | |
| School's Receptivity | | 53.7 | | | | 47.2 | | 52.5 | | | | 46.8 | 43.4 |
| **Parent Activity** | | | | | | | | | | | | | |
| Talks with Teacher | 53.1 | | | | 45.1 | 46.4 | 53.5 | 39.4 | 47.3 | 46.3 | | | 44.1 |
| PAC Involvement | 57.9 | 55.4 | 53.9 | 55.1 | 53.5 | 55.1 | 54.1 | 53.4 | | 55.7 | | 54.6 | |
| Parent Visits to School | | | | 52.5 | 47.3 | | 56.2 | | 54.8 | 47.4 | | | 55.6 |
| School Helped Personally | 53.8 | 56.7 | | | | 54.1 | 58.7 | | 54.1 | 54.5 | 53.6 | 53.6 | |
| **Parent Child Interaction** | | | | | | | | | | | | | |
| Child Read to at Home** | | | | | | | | 47.3 | | | | 47.4 | |
| Child Reads at Home** | | | | | | | | | | | | | |
| Parent Child Interaction | 53.3 | | 55.0 | | | 54.6 | | | | | | 53.1 | 46.4 |
| **Parent Locus** | | | | | | | | | | | | | |
| Parent Locus | 53.6 | | | | | | 52.9 | | 52.9 | | | 54.0 | 53.1 |
| Range of N's | 40-46 | 22-29 | 34-37 | 27-51 | 29 | 24-34 | 22-23 | 22-23 | 14-26 | 25-32 | 11-25 | 27-28 | 9-20 |

Notes ▨ Untrustworthy: reliability less than .40.

*All teacher and parent attitudes are standardized with a mean of 50 and a standard deviation of 10. Only scores which are based upon four or more responses and deviate from the mean by one-quarter of a standard deviation or more appear on this table.

**Parent factors for Child Read to at Home and Child Reads at home were not calculated for the Cohort II. Kindergarten stream.

here teachers report either an average or an above average focus on teacher-centeredness. With the notable exception of FT teachers in Trenton, all FT teachers in BA sponsored sites are either average or above average in their degree of academic emphasis.

FT teachers in seven of the eight sites are either as satisfied or more satisfied with the sponsor than are all FT teachers in general. FT teachers in the New York site are less satisfied than are all FT teachers.*

### Parents' Perception of the Model

The BA Model uses some FT parents as teachers aides in the classroom and does not have a philosophy of parents' teaching children in the home. We find in Table 6-1, that FT parents in many BA sponsored sites are roughly comparable to all FT and NFT parents in general in their reported activities with their children at home. However, the extent of FT parents' reported activities with the school varies from site to site, depending on the scale measured. Moreover, FT parents in most BA sponsored sites report greater involvement in PAC's than FT and NFT parents in general. FT parents in Trenton and New York (Cohort III-K) tend to be more actively involved with the school along a number of scales measured.

### Effects on Children

The BA Model stresses learning in the basic skills. Thus, FT children in BA sponsored sites may perform above the expectation set by comparison groups on the basic skills tests of the outcome battery. Moreover, the BA Model does not explicitly emphasize opportunities for affective growth. FT children in BA sponsored sites may score below the expectation set by comparison groups on the affective measures in the outcome battery. However, as discussed Chapter Two of Volume IV-A, these affective measures may be only partially appropriate instruments for judging the affective objectives of this model. We have assessed the effects of this model in four ways.

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* The sponsor suggests that the level of dissatisfaction may be related to high levels of teacher attrition in one school in New York.

### Entry-Exit Effects*

We find in Table 6-2 that the impact of the BA Model on FT children varies considerably among sites and cohorts on all three domains of the outcome battery. Even within Cohort III-K sites, no consistent pattern emerges.

For example, judged by the pooled analysis, FT children in the Waukegan site perform above expectations on three of the basic skills tests and as well as expected on the fourth test. However, judged by the local analysis, these FT children perform above expectations on only one of the basic skills tests. But in New York City, Cohort III-K FT children perform below expectations on three of the basic skills tests, in both the local and pooled analyses. In most Cohort II-K sites, FT children are similarly varied in their performance on the basic skills measures.

FT children in both cohorts also vary in their performance on the cognitive conceptual skills tests. For example, FT children in Louisville perform above expectations on one of the four tests, as judged by either the local or pooled analysis. FT children here perform as well as expected on the remaining tests. But, judged by either the local or pooled analysis, FT children in New York perform below expectations on all four of the cognitive conceptual skills tests. Judged by both analyses, Cohort III-K children in Philadelphia perform below expectations on one of the four cognitive conceptual skills tests; on the remaining three tests, FT children perform roughly as well as expected.

FT children in BA sponsored sites sometimes perform above expectations on some of the affective measures. For instance, judged by either the local or pooled analysis, FT children in Trenton and Louisville perform above expectations on at least one of the affective measures. These FT children do as well as expected on the remaining measures in this domain.

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*Certain effects in the Summary of Effects table for this model have been shaded, indicating that we have some concern about the validity of the FT/NFT comparison. A shaded column indicates an FT/NFT difference of 50 percent or more with preschool experience. (None will occur in Cohort III-K sites, due to preschool adjusted analyses.) Shading of specific outcomes within a column indicates an adjustment of more than one-half standard deviation of the outcome measure. The potential problems associated with such FT/NFT differences are discussed in Chapter Four of Volume IV-A. The shaded effects are therefore presented but not discussed. Although both criteria are applied to every outcome in each site, the shading for preschool differences takes precedence over shading for size of adjustment.

## Table 6-2
## SUMMARY OF EFFECTS FOR BEHAVIOR ANALYSIS SITES

| Stream | | KINDERGARTEN | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | | New York, NY | | | | Philadelphia, PA | | | | Portageville, MO | | | | Trenton, NJ | | Kansas City, MO | | | | Louisville, KY | | | | Waukegan, IL | | Meridian, IL | |
| | Cohort | III | | II | | III | | II | | III | | II | | III | | III | | II | | III | | II | | III | | II | |
| Domain | Outcome Measure / Analytic Comparison | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | ** Local | Pooled |
| BASIC SKILLS | Word Knowledge | - | ⊟ | - | ▨ | | □ | | + | ▨ | ▨ | | - | | ▨ | | | | - | | | | | | ⊞ | | + |
| | Spelling | - | - | - | ▨ | | □ | | - | ▨ | ▨ | | ▨ | | ▨ | | + | | ▨ | | | ▨ | ▨ | | | | |
| | Language | ⊟ | ⊟ | - | ▨ | | □ | | | ▨ | | | - | | ▨ | | | | - | | | | | + | + | | |
| | Math Computations | | | | ▨ | + | + | | + | ▨ | + | | ▨ | | + | | | | ▨ | + | + | ▨ | ▨ | | + | | + |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | - | ⊟ | | ▨ | - | ⊟ | - | - | | - | | - | | ▨ | | - | | - | | | | | | ▨ | | - |
| | Reading | - | - | - | ▨ | | | | + | | - | | - | | ▨ | | ⊟ | | | | | | | | | | |
| | Math Concepts | - | - | | ▨ | | | | ▨ | | ▨ | | - | ⊞ | + | | | | - | + | + | | ▨ | | ⊟ | | |
| | Math Problem Solving | - | - | | ▨ | | | | | | | | - | | | | | | - | | □ | | | | | | + |
| AFFECTIVE MEASURES | Coopersmith | - | ⊟ | | ▨ | | | | + | | | | | | ▨ | | + | | + | | | | + | | ⊞ | | + |
| | IARS (–) | | ⊟ | | ▨ | | □ | | + | | | | | + | + | | | | - | + | + | ▨ | + | | | | + |
| | IARS (+) | | ⊟ | | ▨ | | | | + | | - | | - | + | ▨ | | ⊟ | | | | | | | | | | |
| | Total Reading | - | - | - | ▨ | | □ | | + | ▨ | ▨ | | ▨ | | ▨ | | | | - | | | | | | ⊞ | | - |
| | Total Math | - | - | | ▨ | + | + | | | ▨ | ▨ | | - | | + | | | | - | + | + | | | | | | + |
| | Language Part A | - | ⊟ | | ▨ | | □ | | + | | | | | | ▨ | | | | | | | | | | □ | | + |
| | Language Part B | ⊟ | ⊟ | | ▨ | | | | | | | | - | | + | | | | - | | | | | + | + | | |

| NATIONAL NORMS* | | Site FT Sample* | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Outcome Measures | MAT Sample | | | | | | | | | | | | | |
| Reading | 20% | 31 | 37 | 45 | 44 | 7 | 8 | 38 | 29 | 36 | 42 | 52 | 21 | 32 |
| Math | 12% | 37 | 28 | 34 | 46 | 7 | 11 | 22 | 44 | 51 | 32 | 40 | 19 | 19 |
| Spelling | 22% | 37 | 30 | 30 | 35 | 2 | 8 | 30 | 24 | 28 | 44 | 47 | 24 | 22 |
| Language** | 14% | 69 | | 62 | | 27 | | 73 | 70 | | 64 | | 45 | |

Notes:

* In terms of percentage of children performing one or more years below grade level.

** No national norms comparisons were made for Cohort II-K children on the Language subtest.

*** No FT/NFT comparison computed and size of adjustment not tested due to lack of local NFT group.

| | |
|---|---|
| + | FT-favoring effect |
| - | NFT-favoring effect |
| blank | Null effect |
| □ | Preschool Adjustment changes effect |
| ▨ | Untrustworthy effect |

But, judged by the pooled analysis, Cohort III-K FT children in New York City perform below expectations on all three of the affective measures; these same FT children perform as well as expected on two of the measures when judged by the local analysis. The performance of FT children in Cohort II-K is somewhat similar; we continue to find that the performance of FT children on the three affective measures varies from site to site.

## National Norms Comparison

As indicated at the bottom of Table 6-2, a smaller-than-expected* proportion of FT children in Portageville and Meridian perform at least one year below grade level (the criterion of educational disadvantage**) on three sections (Reading, Math, and Spelling) and one section (Spelling) of the MAT, respectively. In other sites in this model, a larger-than-expected proportion of FT children perform at least one year below grade level.

## Effects by Type of Preschool Experience

In general, the impact of the BA Model varies slightly between FT Head Start graduates and FT children with either Some Preschool or No Preschool experience. As indicated in Figure 6-3, the direction of the variation depends on whether one uses the local or the pooled NFT analytic comparisons.

In the local analysis, FT Head Start graduates perform below expectations based on the comparison group on one of the basic skills tests and perform as well as expected on the remaining three. These FT children also perform below expectations on one of the cognitive conceptual skills tests and as well as expectations on the remaining three. On the affective measures, FT Head Start graduates perform as well as expected. In the pooled analysis, however, we find that the patterns of effects for FT Head Start graduates are improved: FT Head Start graduates score above

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* The expected proportion of children performing at least one year below grade level is shown in the MAT sample column. The reader is cautioned; this expectation is based on the performance of a sample of average children and therefore is a stringent external criterion.

** Section 417 (a)(2) of the General Education Provisions Act provides that for the purpose of the Secretary of HEW's Annual Report the term "educationally disadvantaged children refers to children who are achieving one or more years behind the achievement expected at the appropriate grade level for such children.

Figure 6-3
## SPONSOR LEVEL SUMMARY OF EFFECTS FOR BEHAVIOR ANALYSIS

| Analysis | | Preschool Blocked Local Analysis | | | Preschool Blocked Pooled Analysis | | |
|---|---|---|---|---|---|---|---|
| **Domain** | **Outcome Measure** / Preschool Experience | Head Start | Some Preschool | No Preschool | Head Start | Some Preschool | No Preschool |
| BASIC SKILLS | Word Knowledge | | | | + | | |
| | Spelling | | | | | | |
| | Language | – | | + | | | + |
| | Math Computations | | + | + | + | + | + |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | – | – | – | | – | – |
| | Reading | | | | | – | |
| | Math Concepts | | | | | | |
| | Math Problem Solving | | | | | | |
| AFFECTIVE MEASURES | Coopersmith | | | | + | | |
| | IARS (–) | | | | + | | + |
| | IARS (+) | | | | | | |
| | Total Reading | | | | | | |
| | Total Math | | + | + | | + | + |
| | Language Part A | | | | | | |
| | Language Part B | | | + | | | + |

Notes:
+ FT-favoring effect
– NFT-favoring effect
blank Null effect
▨ Sample size of less than 30 children

expectations on two of the four basic skills tests, as well as the comparison groups on all of the cognitive conceptual skills tests, and above expectations on two of the three affective measures.

By comparison, in both the local and pooled analyses, FT children with No Preschool experience perform above expectations of four of the eight basic skills tests and below expectations on two of the eight cognitive conceptual skills tests. On the remaining tests within the two domains, these FT children perform as well as expected. In the local analysis, these FT children do as well as expected on all three affective measures. In the pooled analysis, these FT children perform above expectations on one of the three measures.

FT children with Some Preschool perform slightly differently: in both the local and pooled analyses, they perform above expectations on

121

two of the basic skills tests and as well as expected on all of the affective measures. In the local analysis, these FT children perform below expectations on one of the four cognitive conceptual skills tests; in the pooled analysis, these FT children perform below expectations on two of the four tests in this domain.

## Longitudinal Effects

In the longitudinal analysis (see Volume IV-D for details), the relative progress of FT children in the BA Model suggests that the program is particularly effective during kindergarten and first grade. During this early period, FT children in general, and, in particular, FT Head Start graduates or FT children with some Preschool experience, make greater progress than the comparison children groups on the reading and math achievement measures. FT children with No Preschool experience, however, make more modest progress: these FT children only make greater progress than comparison children on the Total Math and Math Computation measures.

But during the second and third grade, we find some evidence to suggest that many of these FT children are unable to sustain their greater progress, and in some cases, make less progress than the comparison groups. A notable proportion of FT children in general, and FT Head Start graduates and FT children with Some Preschool experience in particular, make relatively less progress on reading and math achievement measures during this latter period. A second notable proportion of FT Head Start graduates and FT children in general continue to make relatively greater progress on the Math Computations measure during this later period as well. FT children with No Preschool experience make as much progress as comparison children on the four measures during this later period.

## Summary

The Behavior Analysis Model is a structured program, emphasizing the mastery of reading, arithmetic, handwriting, and spelling skills. Children receive individualized instruction and behavioral reinforcement for the successful completion of tasks. Many FT teachers characterize their classes as being more individualized than average. Some FT teachers also characterize their classes as stressing academic material.

The performance of FT children on the various measures of the outcome battery varies somewhat among sites. Where cross-cohort comparisons are possible, the results are somewhat consistent. In general, FT children perform as well on the basic skills tests as they do on the affective measures; 19 and 22 percent of these measures respectively have positive effects while 64 and 66 percent of these measures respectively have null effects. FT children perform slightly less well on the cognitive conceptual skills measures; 7 percent of these measures have positive effects while 64 percent of these measures have null effects.

FT children with different kinds of preschool experiences perform somewhat differently in this model. However, we are unsure about the extent -- and direction -- of these differences as the local analysis yields contradictory results to the pooled analysis.

Finally, compared to disadvantaged children in general, FT children in the BA Model make relatively greater progress on reading and math achievement during kindergarten and first grade. However, a notable proportion of these FT children do not sustain this advantage and make relatively less progress than comparison children during the second and third grades.

## CHAPTER SEVEN

## COGNITIVELY ORIENTED CURRICULUM MODEL
High/Scope Educational Research Foundation

### The Model

The Cognitive Curriculum Model is a developmental model, based in part on development theory and cognitive structure as defined by Piaget. The focus is on developing children's ability to reason. Goals for the individual children include development of skills in intiating and sustaining independent activity, defining and solving problems, articulating thoughts through language, assuming responsibility for decisions and actions, and working cooperatively with others to make decisions. The approach is designed to provide experiences through which children can develop their conceptual and reasoning processes, as well as their competencies in academic areas. The model provides a framework for structuring the classroom and for arranging and sequencing equipment and material in learning centers. These centers focus on math, science, reading, social studies, art, and on interests such as housekeeping, construction, or puzzles. Dion reading, Nuffield and Cusinaire math, American Assoication for the Advancement of Science (AAIS) and Science Curriculum Improvement Study (SCIS) science materials are used. Children choose their activities and work with teachers in small groups.

Staff development is an essential component of this sponsor's model. Teachers are taught to be catalysts and motivators of children's learning, rather than skill trainers or information providers. This objective is pursued through intensive training courses which occur three times a year. These courses are designed to sensitize the teachers to the way children think and behave at different stages of development, and to supplement the sponsor-provided teacher's manual. Training and developing logical thinking skills in four major cognitive areas (classification, seriation, spatial relations, and temporal relations) are a part of the teacher training program.

Central to this sponsor's model is the focus on parent involvement as an essential component of the success of the child's education. The goals for parent participation include the development of a sense of community between the school's and parents' objectives for children, and building the support for improving the fundamental parent-child relationship. Although the home visiting programs vary from community to community, the sponsor's intent is that either the teacher or a home visitor, knowledgeable in the curriculum, will bring the essential features of this curriculum into the home. In this way, the child's learning at home can be reinforced by the parents through use of materials found in the home. Various other kinds of parent activities are also found in these communities. These activities include neighborhood meetings centered on topics such as home management, nutrition, selling and employment; providing an information network to inform parents about jobs; establishing a parent store where foods and other homemade goods can be sold or exchanged; and holding PAC meetings and various other committee meetings. This sponsor encourages parent activities that are responsive to the needs and interests of the communitiy. In summary, this is a cognitively oriented curriculum with both structured and unstructured components, for both FT children and their parents.

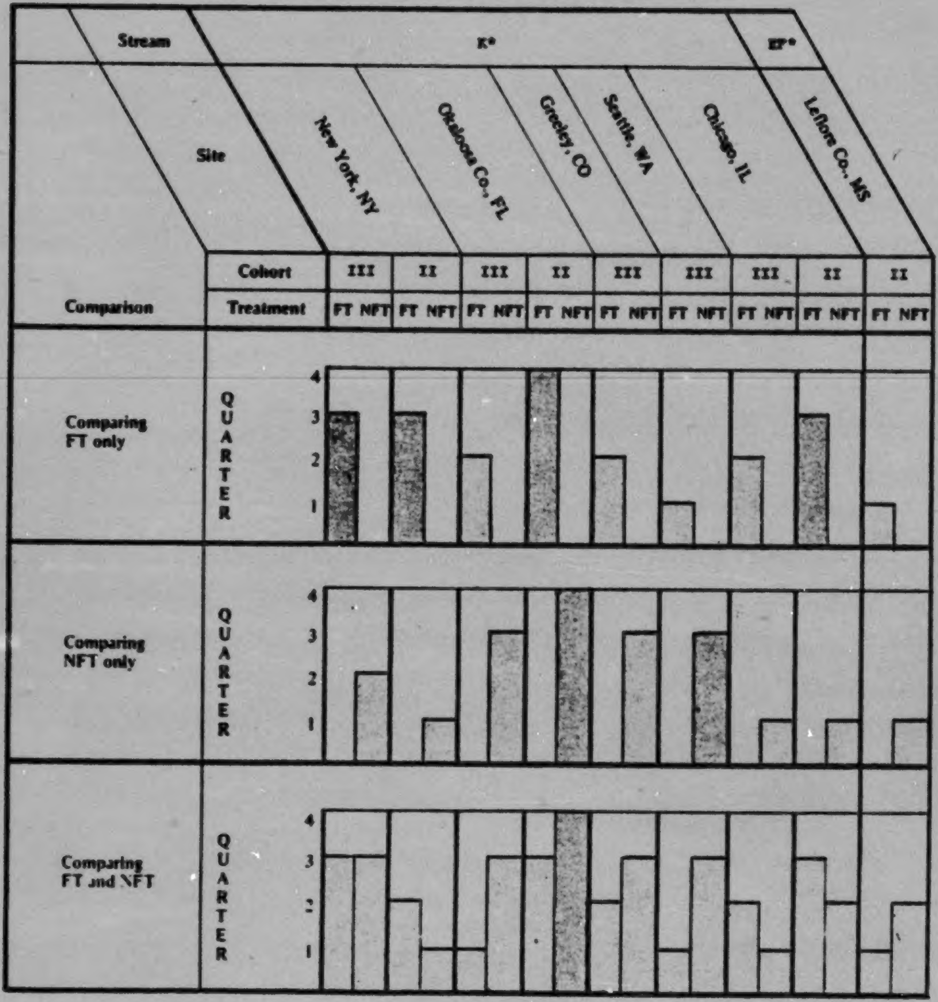
## The Cognitive Curriculum Model as Realized in Follow Through

The Cognitive Curriculum Model is evaluated in six sites: New York, NY; Okaloosa County, FL; Greeley, CO; Seattle, WA; Chicago, IL; and Leflore County, MS. The Cognitive Curriculum sponsored sites are included in the kindergarten stream of Cohort III and in both the kindergarten and entering first streams of Cohort II.

### Sample Description

The Cognitive Curriculum groups are distributed over the range of socioeconomic status levels represented in Follow Through. As indicated in Figure 7-1 in Okaloosa County (Cohort III) and in Seattle, the FT groups

**Figure 7-1**
**RANKINGS ON THE SOCIOECONOMIC DISCREPANCY INDEX FOR COGNITIVE CURRICULUM SITES**



* K = Entering Kindergarten Stream; EF = Entering First Stream.

are more disadvantaged than their local NFT comparison groups. The groups' concentrations of ethnic-linguistic minorities are approximately average for Follow Through (see Figure 7-2).

### Teachers' Perceptions of the Model

The Cognitive Curriculum Model trains teachers to be catalysts and motivators of children's learning. We find in Table 7-1 that FT teachers in most sites report a substantailly lower degree of teacher-centeredness than do FT and NFT teachers in general. Moreover, FT teachers in most sites report above average emphasis on flexibility in their classrooms and above average stress on individualization. FT teachers vary somewhat in their degree of academic emphasis. FT teachers in the majority of Cognitive Curriculum sponsored sites also report that they are more satisfied with the sponsor than are FT teachers in general.

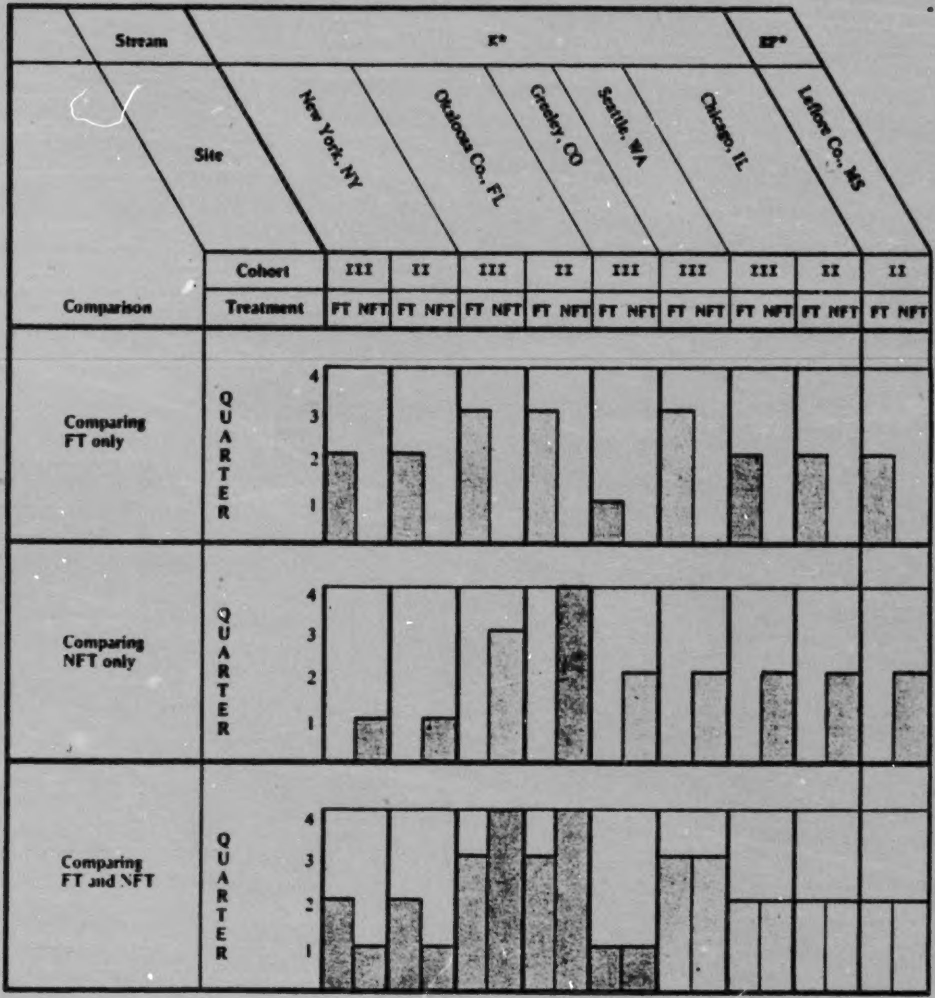
### Parents' Perceptions of the Model

The Cognitive Curriculum Model stresses parent involvement as an essential component of the success of the child's education. We find in Table 7-1 that, in most instances, FT parents do not report above average parent-child interactions. Parent activity appears to be quite variable both across and within sites. FT parents' reports of the school impact on the child are as variable as their reports on parent activity. FT parents' assessments of their locus of control also fluctuates among sites.

## Effects on Children

The Cognitive Curriculum Model provides children with experiences to develop their conceptual and reasoning process, and in turn, to increase their skills in academic areas. Thus, FT children in Cognitive Curriculum sponsored sites may be especially likely to perform better than comparison children on the cognitive conceptual skills tests in the national evaluation. However, as discussed in Chapter Two of Volume IV-A, these tests may be only partially appropriate measures of the cognitive conceptual objectives of this model. We have assessed the impact of this model in four ways.

## Figure 7-2
## RANKINGS ON ETHNIC-LINGUISTIC INDEX FOR COGNITIVE CURRICULUM SITES



* K = Entering Kindergarten Stream; EF = Entering First Stream.

# Table 7-1
# SELECTED STANDARDIZED SCORES* FOR TEACHER CLUSTERS AND PARENT FACTORS FOR COGNITIVE CURRICULUM SITES

| Stream | K*** | | | | | | | | EF*** |
|---|---|---|---|---|---|---|---|---|---|
| Site | New York, NY | | Okaloosa Co., FL | | Greeley, CO | Seattle, WA | Chicago, IL | | Leflore Co., MS |
| Cohort | III | II | III | II | III | III | III | II | II |
| **TEACHER CLUSTERS** | | | | | | | | | |
| Teacher Centered | - - | - - | 45.6 | 42.7 | - - | 41.9 | 43.7 | - - | 45.4 |
| Flexible Classroom | | - - | 58.9 | 61.9 | - - | 60.1 | 68.1 | - - | 59.3 |
| Individualization | | - - | 57.7 | 52.9 | - - | 56.1 | 58.9 | | 63.3 |
| Academic (vs. Emotional) Emphasis | - - | | 44.5 | 39.7 | - - | | 44.1 | - - | 53.8 |
| Satisfaction with Sponsor | - - | | | 52.9 | - - | 60.3 | 65.3 | - - | 57.8 |
| Range of N's | 2-3 | 2 | 5 | 5-6 | 3 | 6 | 4 | 3 | 6 |
| **PARENT FACTORS** | | | | | | | | | |
| **School Impact on Child** | | | | | | | | | |
| School Helped Child | | | | 54.1 | 52.8 | | | | 52.6 |
| Child's Progress in School | | | 46.6 | | 44.9 | | 45.6 | | |
| Child's Emotional Adjustment | | | | 52.9 | | 52.6 | | | 55.7 |
| School Helped with Child | | | | 56.2 | | 53.4 | 54.7 | 56.0 | 57.2 |
| School's Receptivity | | | 45.6 | | | | 56.1 | | |
| **Parent Activity** | | | | | | | | | |
| Talks with Teacher | 52.7 | | 41.7 | 45.6 | 52.5 | | | | 45.7 |
| PAC Involvement | | 43.9 | 54.3 | | 47.2 | 53.9 | 53.3 | 55.0 | |
| Parent Visits to School | | | | | | | | 56.1 | |
| School Helped Personally | 46.4 | 46.2 | | | | 52.8 | | 56.8 | |
| **Parent Child Interaction** | | | | | | | | | |
| Child Read to at Home** | | | | | 44.9 | 53.2 | 52.9 | | |
| Child Reads at Home** | | | | | | | | | |
| Parent Child Interaction | 53.7 | 55.8 | | 46.8 | 47.5 | | 52.5 | | 53.0 |
| **Parent Locus** | | | | | | | | | |
| Parent Locus | 52.9 | 55.8 | 53.3 | 45.4 | 54.2 | 47.3 | 47.2 | 46.3 | 55.0 |
| Range of N's | 19-24 | 16-33 | 23-26 | 6-17 | 18 | 28 | 18-20 | 24-36 | 43-47 |

Notes: ▨ Untrustworthy: reliability less than .40.

*All teacher and parent attitudes are standardized with a mean of 50 and a standard deviation of 10. Only scores which are based upon four or more responses and deviate from the mean by one-quarter of a standard deviation or more appear on this table.

**Parent factors for Child Read to at Home and Child Reads at home were not calculated for the Cohort II Kindergarten stream.

*** K = Entering Kindergarten stream; EF = Entering First Grade stream

129

## Entry-Exit Effects*

We find that FT children in Cohort III-K sites generally perform either as well as or below the expectations set by comparison children on the various cognitive conceptual tests. For example, as indicated in Table 7-2, FT children in New York perform below expectations on one or two of the cognitive conceptual tests, depending on the analysis used. FT children perform as well as expected on the remaining tests in this domain. In the one site where cross cohort comparisons are possible (New York), FT children in Cohort II-K perform below expectations on all four cognitive conceptual tests.

FT children in Cohort III-K usually perform either as well as expected or below expectations based on comparison children on the basic skills tests, although we find some variation among sites and between the local and pooled analyses. FT children in Greeley differ from this overall pattern: judged by the pooled analysis they perform above expectations on one of the four tests. In Cohort II-K and Cohort II-EF sites, FT children vary in their performance on the basic skills tests.

In general, FT children in most of the Cognitive Curriculum sponsored sites perform as well as expected on the affective measures. However, we find notable exceptions in two sites in Cohort III-K. FT children in Seattle perform below expectations on one or two affective measures, depending on the analysis used. And FT children in Okaloosa County perform below expectations on one of the affective measures, as judged by the pooled analysis.

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*Certain effects in the Summary of Effects table for this model have been shaded, indicating that we have some concern about the validity of the FT/NFT comparison. A shaded column indicates an FT/NFT difference of 50 percent or more with preschool experience. (None will occur in Cohort III-K sites, due to preschool adjusted analyses.) Shading of specific outcomes within a column indicates an adjustment of more than one-half standard deviation of the outcome measure. The potential problems associated with such FT/NFT differences are discussed in Chapter Four of Volume IV-A. The shaded effects are therefore presented but not discussed. Although both criteria are applied to every outcome in each site, the shading for preschool differences takes precedence over shading for size of adjustment.

## Table 7-2
## SUMMARY OF EFFECTS FOR COGNITIVE CURRICULUM SITES

| Stream | | K* | | | | | | | | | | | | | | | | EF* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | | New York, NY | | | | Okaloosa Co., FL | | | | Greeley, CO | | Seattle, WA | | Chicago, IL | | | | Leflore Co., MS | |
| Cohort | | III | | II | | III | | II | | III | | III | | III | | II | | II | |
| Domain | Outcome Measure / Analytic Comparison | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled |
| BASIC SKILLS | Word Knowledge | | ⊟ | - | ▨ | ▨ | ▨ | ▨ | ▨ | | ☐ | | ⊟ | - | ⊟ | ▨ | ▨ | | + |
| | Spelling | | | - | ▨ | | ▨ | ▨ | ▨ | | ☐ | | ⊟ | - | - | ▨ | ▨ | | + |
| | Language | - | - | - | ▨ | ▨ | ▨ | ▨ | ▨ | | + | ☐ | ▨ | | | ▨ | ▨ | - | ▨ |
| | Math Computations | | | - | ▨ | | ▨ | ▨ | ▨ | | | | | ☐ | - | ▨ | ▨ | | + |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | ⊟ | - | ▨ | ▨ | ⊟ | ▨ | ▨ | | | | ▨ | | | ▨ | ▨ | | |
| | Reading | - | ⊟ | - | ▨ | ▨ | ▨ | ▨ | ▨ | ☐ | + | ▨ | ☐ | ☐ | - | ▨ | ▨ | | ▨ |
| | Math Concepts | | | - | ▨ | | ▨ | ▨ | ▨ | | ☐ | | | - | - | ▨ | ▨ | | + |
| | Math Problem Solving | | | - | ▨ | ▨ | ▨ | ▨ | ▨ | ☐ | ☐ | | | | ⊟ | ▨ | ▨ | | ▨ |
| AFFECTIVE MEASURES | Coopersmith | | | | ▨ | | ⊟ | ▨ | ▨ | | | | ⊟ | | | ▨ | ▨ | | |
| | IARS (–) | | | | ▨ | | | ▨ | ▨ | | | | ⊟ | | | ▨ | ▨ | | + |
| | IARS (+) | | | | ▨ | | ▨ | ▨ | ▨ | | | | | | ☐ | ▨ | ▨ | | |
| | Total Reading | | ⊟ | - | ▨ | ▨ | ▨ | ▨ | ▨ | | ☐ | ▨ | - | - | - | ▨ | ▨ | | ▨ |
| | Total Math | | | - | ▨ | ▨ | ▨ | ▨ | ▨ | | ☐ | | | - | - | ▨ | ▨ | | ▨ |
| | Language Part A | ☐ | ⊟ | | ▨ | ▨ | ▨ | ▨ | ▨ | | ☐ | | | | | ▨ | ▨ | | |
| | Language Part B | - | - | - | ▨ | - | ▨ | ▨ | ▨ | | ☐ | - | ▨ | | | ▨ | ▨ | - | ▨ |

| NATIONAL NORMS** | | Site FT Sample** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Outcome Measures | MAT Sample | | | | | | | | | |
| Reading | 20% | 41 | 42 | 68 | 85 | 20 | 49 | 84 | 50 | 58 |
| Math | 12% | 39 | 52 | 65 | 79 | 15 | 51 | 74 | 67 | 47 |
| Spelling | 22% | 11 | 39 | 70 | 88 | 25 | 40 | 68 | 44 | 37 |
| Language*** | 14% | 89 | | 84 | | 60 | 67 | 87 | | 77 |

Notes: * K = Entering Kindergarten stream; EF = Entering First stream
** In terms of percentage of children performing one or more years below grade level.
*** No national norms comparisons were made for Cohort II-K children on the Language subtest.

| | |
|---|---|
| + | FT-favoring effect |
| - | NFT-favoring effect |
| blank | Null effect |
| ☐ | Preschool Adjustment changes effect |
| ▨ | Untrustworthy effect |

## National Norms Comparison

As indicated at the bottom of Table 7-2, a smaller-than-expected* proportion of FT children in Greeley and New York (Cohort III-K) perform at least one year below grade level (the criterion of educational disadvantage**) on one section of the MAT: Reading (in Greeley) and Spelling (in New York). In other sites in this model, a larger-than-expected proportion of FT children perform at least one year below grade level.

## Effects by Type of Preschool

In general, the Cognitive Curriculum Model has a slightly different impact on FT children who have had different kinds of preschool experiences. In particular, FT children with No Preschool experience perform as well as expected, judged by either the local or pooled analysis, on all four cognitive conceptual skills tests. By comparison, FT Head Start graduates perform as well as expected, judged by either analysis, on three of the cognitive conceptual skills tests and below expectationn on one of the tests in this domain. FT children with Some Preschool experience perform below expectaions on two or three of the cognitive conceptual skills tests, depending on the analysis. Prior preschool background is a less salient factor influencing the performance of FT children on either the basic skills tests or the affective measures.

## Longitudinal Effects

In the longitudinal analysis (see Volume IV-D for details) most FT children in the Cognitive Curriculum Model make relatively less progress than comparison children on both reading and math achievement tests during first grade. But, many of the FT children in this model then make greater progress on the three math measures (Total Math, Math Concepts and Math Computations), relative to the comparison group, during the second and

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*The expected proportion of children performing at least one year below grade level is shown in the MAT sample column. The reader is cautioned; this expectation is based on the performance of a sample of average children and therefore is a stringent external criterion.

** Section 417 (a)(2) of the General Education Provisions Act provides that for the purpose of the Secretary of Health Education and Welfare's Annual Report, the term "educationally disadvantaged children refers to children who are achieving one or more years behing the achievement expected at the appropriate grade level for such children.

Figure 7-3
SPONSOR LEVEL SUMMARY OF EFFECTS
FOR COGNITIVE CURRICULUM

| Domain | Analysis / Preschool Experience / Outcome Measure | Preschool Blocked Local Analysis | | | Preschool Blocked Pooled Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Head Start | Some Preschool | No Preschool | Head Start | Some Preschool | No Preschool |
| BASIC SKILLS | Word Knowledge | | | – | – | – | – |
| | Spelling | | | – | – | | – |
| | Language | – | – | | – | – | |
| | Math Computations | | | | | | |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | – | | | – | |
| | Reading | | – | | | – | |
| | Math Concepts | – | | | – | – | |
| | Math Problem Solving | | | | | | |
| AFFECTIVE MEASURES | Coopersmith | | | | – | | |
| | IARS (–) | | | | | | |
| | IARS (+) | | | | | | |
| | Total Reading | | | – | | – | – |
| | Total Math | | | | | | |
| | Language Part A | | – | | | – | |
| | Language Part B | – | – – | | – | – | |

| Notes: | | |
|---|---|---|
| | + | FT-favoring effect |
| | – | NFT-favoring effect |
| | blank | Null effect |
| | ▨ | Sample size of less than 30 children |

third grade. Nevertheless, relative to the comparison group, FT children in this model make relatively less progress on the reading measure during the second and third grade as well.

Summary

The Cognitive Curriculum Model has both structured and unstructured components. It focuses on encouraging fundamental social and conceptual abilities as a basis on which to build, at each child's own rate, academic skills. Staff development is an essential part of the model. Thus most FT teachers in this sponsor's sites characterize their classrooms as being less teacher-centered and more flexible than average. Most FT teachers also report a greater emphasis on individualization than average. Parent involvement is another essential component of this model. However, FT parents vary among sites in the extent of their participation in their children's education.

The performance of FT children on the various measures of the outcome battery varies substantially among sites. FT children in the sites in this model perform roughly as well on the basic skills tests as they do on the cognitive conceptual skills tests; overall 9 and 5 percent respectively of these measures have positive effects while 57 and 67 percent respectively of these measures have null effects. FT children perform differently on the affective measures; 3 percent of these measures have positive effects and 89 percent have null effects.

In terms of the cognitive conceptual skills domain, FT children with different kinds of prior preschool experiences respond differently to this model: FT children with No Preschool experience perform as well as expected, on the basis of comparison children, while FT Head Start graduates and FT children with Some Preschool experience perform below expectations in some instances. But, in terms of the basic skills domain and the affective domain, FT children perform similarly in this model, regardless of their prior preschool experiences.

Finally, compared to disadvantaged children in general, FT children in this model make relatively less progress on reading and math achievement measures during kindergarten and first grade. But, during second and third grade, FT children make relatively greater progress on math achievement measures, relative to disadvantaged children in general. FT children continue to make relatively less progress on reading achievement during this later period as well.

# CHAPTER EIGHT

## FLORIDA PARENT EDUCATION MODEL
University of Florida

### The Model

The Parent Education Model focuses on motivating parents to be primary educators of their children. For each class, two parents serve as teaching aides in the classroom and also visit the parents of all the children in the class, teaching them to teach their children. These parents also assist other parents with personal needs and problems.

Basic to this model is the belief that parents, since they are uniquely qualified to guide their children's emotional and intellectual development, play a critical role in their children's education. Accordingly, this sponsor seeks to motivate parents to participate directly in their child's education both in the classroom and at home. The Parent Education Model does not enunciate specific achievement goals for children, nor does it recommend a particular classroom curriculum or teaching strategy; this model focuses exclusively on involving parents as equal partners in the educational process.

The Parent Education Model uses a Parent Educator, a specially trained home worker who teaches parents to teach their children at home. (Parent Educators are themselves Follow Through parents.) Two Parent Educators are assigned to each classroom and spend half their time as instructional teaching assistants in the classroom and half in visiting parents. Every child's home is visited bimonthly by a Parent Educator. During this home visit, the Parent Educator teaches the parent to work with the child in completing specially developed, individually assigned learning tasks before the next visit. These learning tasks are crucial to this model and are developed by teachers and Parent Educators with appropriate assistance from the sponsor. Learning tasks are assigned by the teacher to meet the individual child's learning needs and enrich classroom instruction. A conscientious effort is made to construct tasks using materials commonly found in the home or easily obtainable. (When necessary, materials are provided by the Parent Educator.) Tasks are often Piagetian in nature. The Parent Educator insures that the parent thoroughly understands the task and how to use it with the child before leaving the home. During the next visit, the Parent Educator ascertains the child's response to the task and discusses the most appropriate "next step." Thus the parent becomes involved as a guiding force in the child's education. Following the home visit, the Parent Educator provides feedback to the teacher; and the two then jointly plan for the next home visit.

This partnership between home and school is reinforced by the assistance the Parent Educator provides with personal parent needs and problems. The Parent Educator is trained to make referrals for parents regarding medical, psychological, and social services and employment matters. The Parent Educator also encourages parents to join PAC and participate in other school and community activities (including classroom volunteering). In summary, this model seeks to teach parents, through the home-visit cycle, to cope successfully, to establish a home environment receptive to learning, to participate actively in their children's education, and to promote their children's self-esteem and learning abilities.

## The Parent Education Model as Realized in Follow Through

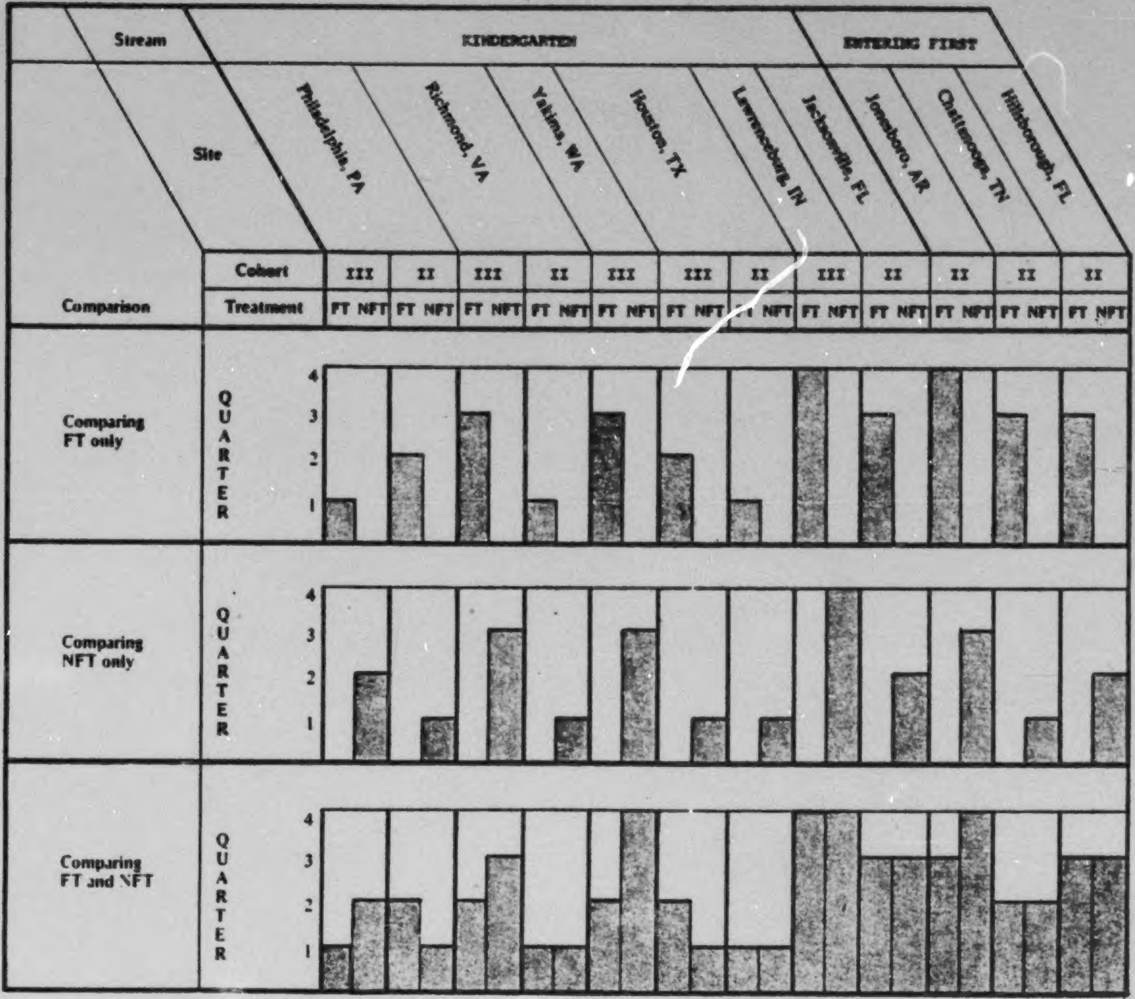
The Parent Education Model is evaluated in the nine sites: Philadelphia, PA; Richmond, VA; Yakima, WA; Houston, TX; Lawrenceburg, IN; Jacsonville, FL; Jonesboro, AR; Chattanooga, TN; and Hillsborough, FL. The Parent Education Model is represented in the kindergarten stream of Cohort III and in both the kindergarten and entering first streams of Cohort II.

### Sample Description

The FT site groups in the Parent Education Model are will distributed over the range of socioeconomic levels represented in Follow Through. As shown in Figure 8-1, except in Yakima (where FT is more disadvantaged than NFT), each groups is reasonably comparable to its local FT group. Important concentrations of ethnic-linguistic minorities are evident only in Houston

Figure 8-1

RANKINGS ON THE SOCIOECONOMIC DISCREPANCY INDEX FOR PARENT EDUCATION SITES



and Jacksonville. In Philadelphia (Cohort II) and Hillsborough, NFT has substantially more minorities than FT (see Figure 8-2).

### Teachers' Perceptions of the Model

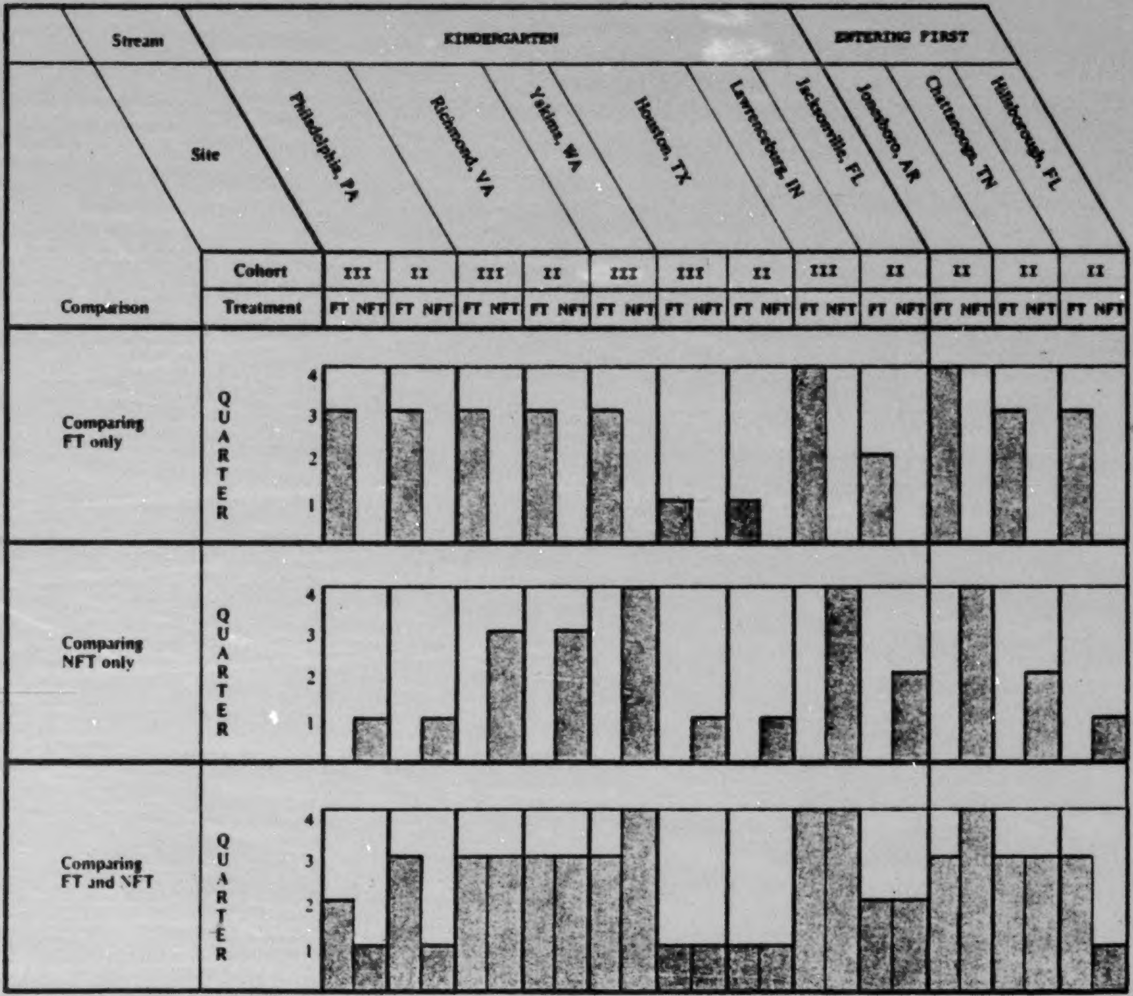
The major emphasis of the Parent Education Model is training parents to take an active role in the education of their children. The teachers themselves continue to conduct their classes in whatever ways they deem appropriate.

We find in Table 8-1 that FT teachers in Cohort III-K generally report either an above or below average degree of academic emphasis. Cohort II-K FT teachers are also either above or below average in the degree of academic emphasis in their classrooms. Cohort II-EF teachers are average along this cluster. FT teachers in four of the five sites express a greater than average degree of satisfaction with the sponsor. FT teachers' responses on the remaining three clusters (Teacher-Centeredness, Flexible Classroom and Individualization) have low internal reliabilities. Thus we cannot be certain of teachers' responses and shall not discuss these data.

### Parents' Perceptions of the Model

One of the basic goals of the Parent Education Model, is stimulating parents to teach their children outside the classroom. As indicated in Table 8-1, we find that in four of the Cohort III-K sites, FT parents are usually no more likely to interact with their children (as shown by the Parent-Child Interaction Factor) than are all FT and NFT parents in general. FT parents in Cohort II-EF sites often report average interactions with their children along the measured scales. However, in four of the Cohort III-K sites, FT parents report greater than average parent activities on at least three of the four scales of the Parent Activity factor. FT parents in many of the Cohort II sites also report greater than average parent activities on at least three of the four scales. And in Cohort III-K, FT parents vary from site to site in their assessment of the school's impact on their children. FT parents in Cohort II-K and Cohort II-EF sites are generally average to above average in their assessment of the school's impact on their children. Finally, FT parents in all Parent Education sponsored sites are either below average or average in their reported locus of control.

Figure 8-2
RANKINGS ON ETHNIC-LINGUISTIC INDEX
FOR PARENT EDUCATION SITES



## Table 8-1
## SELECTED STANDARDIZED SCORES*
## FOR TEACHER CLUSTERS AND PARENT FACTORS
## FOR PARENT EDUCATION

| Stream | KINDERGARTEN | | | | | | | | | ENTERING FIRST | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | Philadelphia, PA | | Richmond, VA | | Yakima, WA | Houston, TX | | Lawrenceburg, IN | Jacksonville, FL | Jonesboro, AR | Chattanooga, TN | Hillsborough, FL |
| Cohort | III | II | III | II | III | III | II | III | II | II | II | II |
| **TEACHER CLUSTERS** | | | | | | | | | | | | |
| Teacher Centered | | 53.8 | [illegible] | | | [illegible] | 53.7 | | | 47.3 | 53.4 | |
| Flexible Classroom | [illegible] | 42.6 | [illegible] | | [illegible] | | | | 55.6 | 53.7 | 55.2 | |
| Individualization | [illegible] | 45.1 | | 43.2 | [illegible] | | | - - | - - | 45.7 | 55.2 | - - |
| Academic (vs. Emotional) Emphasis | | 53.6 | 45.8 | 46.4 | 44.7 | 43.3 | 45.3 | - - | 45.3 | | 47.4 | - - |
| Satisfaction with Sponsor | 56.9 | | 61.1 | 45.3 | 44.0 | 59.1 | 56.6 | - - | 47.4 | 57.6 | 55.3 | - - |
| Range of N's | 5 | 6 | 4 | 10 | 6 | 8 | 7-8 | 3 | 3-4 | 6 | 10 | 3 |
| **PARENT FACTORS** | | | | | | | | | | | | |
| **School Impact on Child** | | | | | | | | | | | | |
| School Helped Child | | | 53.8 | 54.4 | 55.2 | 54.3 | 55.3 | | | 55.0 | | 55.5 |
| Child's Progress in School | | | | | 56.4 | 46.5 | | | 46.4 | | | |
| Child's Emotional Adjustment | | | 54.2 | 55.0 | 52.8 | | | 45.9 | | | | |
| School Helped with Child | | 53.6 | 58.8 | 57.5 | 53.8 | 58.2 | 56.9 | | 56.1 | 53.9 | 54.5 | 55.6 |
| School's Receptivity | 53.0 | | | | 55.0 | 46.8 | | 47.5 | | 54.2 | 52.9 | |
| **Parent Activity** | | | | | | | | | | | | |
| Talks with Teacher | 46.5 | 45.0 | 52.9 | | | | | 53.6 | 45.0 | 54.5 | | 55.5 |
| PAC Involvement | 53.7 | 53.4 | 60.6 | 52.9 | 57.2 | 55.9 | | 56.3 | 57.4 | 57.7 | 60.0 | 66.0 |
| Parent Visits to School | | | 54.7 | 59.2 | 56.1 | 52.5 | | 56.2 | 47.4 | | 59.2 | 58.7 |
| School Helped Personally | | | 56.5 | 53.3 | 53.4 | 54.7 | 54.0 | | | 53.9 | 53.1 | |
| **Parent Child Interaction** | | | | | | | | | | | | |
| Child Read to at Home** | | | 52.9 | | | | | 43.5 | | | | |
| Child Reads at Home** | | | 47.3 | | | | | | | | | 53.4 |
| Parent Child Interaction | | 53.8 | [illegible] | | | [illegible] | | | | | | |
| **Parent Locus** | | | | | | | | | | | | |
| Parent Locus | 47.2 | | | | 44.5 | | | | 45.1 | 46.1 | | 47.1 |
| Range of N's | 18-20 | 25-38 | 25 | 33-42 | 26-27 | 30-31 | 17-37 | 29 | 13-25 | 63-64 | 52 | 8 |

Notes: ▨ Untrustworthy: reliability less than .40.

*All teacher and parent attitudes are standardized with a mean of 50 and a standard deviation of 10. Only scores which are based upon four or more responses and deviate from the mean by one-quarter of a standard deviation or more appear on this table.

**Parent factors for Child Read to at Home and Child Reads at home were not calculated for the Cohort II Kindergarten stream.

## Effects on Children

The Parent Education Model focuses on involving parents in the educational process and does not enunciate achievement goals for children. Thus the various measures in the national evaluation may not encompass the appropriate criteria for judging the effects of this model on children. We have assessed the impact of this model in four ways.

### Entry-Exit Effects*

FT children vary from site to site, and from one analysis strategy to another, in their performance on the outcome measures. In particular, FT children in the Parent Education Model vary among sites in their performance on the basic skills tests and the cognitive conceptual skills tests. As can be seen in Table 8-2, our conclusions about FT children's performance on these tests also vary, depending on our analytic strategy. For example, judged by the pooled analysis, FT children in Philadelphia Cohort III-K perform below the expectation based on comparison children on three of the four basic skills tests and below expectations on two of the four cognitive conceptual skills tests. These FT children perform as well as expected on the remaining test in both domains. But judged by the local analysis, FT children in Philadelphia perform below expectations on one of the basic skills tests and on one of the cognitive conceptual skills tests; on the remaining tests, FT children perform as well as expected. In Richmond we find another pattern: judged by the pooled analysis, FT children perform above expectations on three of the basic skills tests, and on two of the cognitive conceptual skills tests. However, judged by local analysis, FT children in this site perform as well as expected on all the basic skills and cognitive

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*Certain effects in the Summary of Effects table for this model have been shaded, indicating that we have some concern about the validity of the FT/NFT comparison. A shaded column indicates an FT/NFT difference of 50 percent or more with preschool experience. (None will occur in Cohort III-K sites, due to preschool adjusted analyses.) Shading of specific outcomes within a column indicates an adjustment of more than one-half standard deviation of the outcome measure. The potential problems associated with such FT/NFT differences are discussed in Chapter Four of Volume IV-A. The shaded effects are therefore presented but not discussed. Although both criteria are applied to every outcome in each site, the shading for preschool differences takes precedence over shading for size of adjustment.

# Table 8-2
## SUMMARY OF EFFECTS FOR PARENT EDUCATION SITES

| Stream | | KINDERGARTEN | | | | | | | | | | | | | | | | | | ENTERING FIRST | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | | Philadelphia, PA | | | | Richmond, VA | | | | Yakima, WA | | Houston, TX | | | | Lawrenceburg, IN | | Jacksonville, FL | | Jonesboro, AR | | Chattanooga, TN | | Hillsborough, FL | |
| Cohort | | III | | II | | III | | II | | III | | III | | II | | III | | II | | II | | II | | II | |
| Domain | Outcome Measure / Analytic Comparison | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled |
| BASIC SKILLS | Word Knowledge | | ⊟ | | – | | ⊞ | | | | ⊞ | + | ▨ □ | | + | | | ▨ | ▨ | ▨ | ▨ + | | | | |
| | Spelling | – | – | | ▨ | | ⊞ | | ▨ | | | ⊞ | ▨ □ | | + | | | ▨ | ▨ | | + | | | | |
| | Language | | | | – | | | | | | | | ▨ □ | | | – | – | ▨ | ▨ | | ▨ | | | | |
| | Math Computations | | ⊟ | | | | ⊞ | | | | | ⊞ | ▨ □ | + | + | – | – | ▨ | ▨ | | | | | | |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | – | | | | | | | | □ | ⊞ | ▨ □ | | | | ▨ | ▨ | ▨ | | + | | | | |
| | Reading | | | | – | | ⊞ | | | | | | ▨ | | + | – | – | ▨ | ▨ | | ▨ | | | | |
| | Math Concepts | – | – | | – | | | | | | | | ▨ | | | | – | ▨ | ▨ | | ▨ | | | | + |
| | Math Problem Solving | | | | – | | + | | | | – | | ▨ □ | | + | | – | ▨ | ▨ | | + | | | | |
| AFFECTIVE MEASURES | Coopersmith | | | | | | | | + | | | | | | | | | ▨ | ▨ | | | | | | |
| | IARS (–) | | | | | | + | | | | | | □ | ▨ | + | ⊞ | + | ▨ | ▨ | | | | – | | |
| | IARS (+) | | ⊟ | | | | ⊞ | | | | | ⊞ | ▨ | | | | ⊞ | ▨ | ▨ | | | | | | |
| | Total Reading | | | | – | | ⊞ | | | | ⊞ | | ▨ □ | | + | | – | ▨ | ▨ | ▨ | ▨ | | | | |
| | Total Math | ⊟ | ⊟ | | – | | ⊞ | | | | | | ▨ □ | | + | | – | ▨ | ▨ | | ▨ | | | | + |
| | Language Part A | | | | | | | | + | | | | ▨ □ | | + | | – | ▨ | ▨ | | + | | | | |
| | Language Part B | | □ | | – | | | | – | | □ | | ⊟ | | | – | – | ▨ | ▨ | | | | | | |

| NATIONAL NORMS* | | Site FT Sample** | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Outcome Measures | MAT Sample | | | | | | | | | | | | |
| Reading | 20% | 64 | 65 | 26 | 33 | 27 | 49 | 54 | 11 | 60 | 20 | 68 | 63 |
| Math | 12% | 64 | 65 | 23 | 46 | 37 | 52 | 42 | 17 | 53 | 15 | 57 | 47 |
| Spelling | 22% | 67 | 54 | 18 | 27 | 27 | 49 | 46 | 9 | 73 | 16 | 62 | 53 |
| Language** | 14% | 78 | | 64 | | 55 | 81 | | 49 | | 36 | 79 | 74 |

Notes:

* In terms of percentage of children performing one or more years below grade level.

No national norms comparisons were made for Cohort II-K children on the Language subtest.

| | | | |
|---|---|---|---|
| + | FT-favoring effect | □ | Preschool Adjustment changes effect |
| – | NFT-favoring effect | ▨ | Untrustworthy effect |
| blank | Null effect | | |

conceptual skills tests. In Cohort II-K and Cohort II-EF sites, FT children are similarly varied in their performance on these tests.

In general, FT children in Parent Education sponsored sites either perform as well as -- or above -- expectations based on comparison children on the three affective measures. Nevertheless, FT children vary somewhat from site to site -- and from one analysis strategy to another -- on these outcomes. For example, judged by the pooled analysis, FT children in Richmond in Cohort III-K, perform above expectations on two of the three affective measures; judged by the local analysis, they perform as well as expected on all three measures. The performance of FT children in Cohort II-K and Cohort II-EF sites, however, is slightly less varied; in these sites in general, FT children score the same as the NFT comparison groups on all three affective measures.

### National Norms Comparisons

As indicated at the bottom of Table 8-2, a smaller-than-expected* proportion of FT children in Lawrenceburg and Jonesboro perform at least one year beolow grade level (the criterion of educational disadvantage**) on two sections of the MAT: Reading and Spelling. In other sites in this model, a larger-than-expected proportion of FT children perform at least one year below grade level.

### Effects by Type of Preschool Experience

In general, the effects of the Parent Education Model do not notably vary between FT children with Some Preschool experience and those with No Preschool experience. Both groups of FT children perform as well as expected on the various basic skills tests and cognitive conceptual skills tests.

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* The expected proportion of children performing at least one year below grade level is shown in the MAT sample column. The reader is cautioned; this expectation is based on the performance of a sample of average children and therefore is a stringent external criterion.

** Section 417 (a)(2) of the General Education Provisions Act provides that for the purpose of the Secretary of Health Education and Welfare's Annual Report the term "educationally disadvantaged children refers to children who are achieving one or more years behing the achievement expected at the appropriate grade level for such children.

Figure 8-3
SPONSOR LEVEL SUMMARY OF EFFECTS
FOR PARENT EDUCATION

| Domain | Analysis / Preschool Experience / Outcome Measure | Preschool Blocked Local Analysis | | | Preschool Blocked Pooled Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Head Start | Some Preschool | No Preschool | Head Start | Some Preschool | No Preschool |
| BASIC SKILLS | Word Knowledge | ▨ | | | ▨ | | |
| | Spelling | ▨ | | | ▨ | | |
| | Language | ▨ | | | ▨ − | | |
| | Math Computations | ▨ | | | ▨ − | | |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | ▨ + | | | ▨ | | |
| | Reading | ▨ | | | ▨ | | |
| | Math Concepts | ▨ | | | ▨ | | |
| | Math Problem Solving | ▨ | | | ▨ | | |
| AFFECTIVE MEASURES | Coopersmith | ▨ | | | ▨ | | |
| | IARS (−) | ▨ | + | | ▨ + | + | |
| | IARS (+) | ▨ | | | ▨ | + | |
| | Total Reading | ▨ | | | ▨ | | |
| | Total Math | ▨ | | | ▨ | | |
| | Language Part A | ▨ | | | ▨ | | |
| | Language Part B | ▨ | | | ▨ − | | |

Notes:
+ FT-favoring effect
− NFT-favoring effect
blank Null effect
▨ Sample size of less than 30 children

Within the affective domains, the patterns of effects are slightly different and slightly more positive. In particular, FT children with Some Preschool experience perform better than expected on one or two of the affective measures, depending on the analytic strategy. FT children with No Preschool experience perform as well as expected on all these measures. We do not have enough respondents in the FT Head Start group to judge accurately the impact of this model on these types of children.

## Longitudinal Effects

In the longitudinal analysis (see Volume IV-D for details) the Parent Education Model has a varied impact on FT children during kindergarten and first grade, depending on the achievement measure in question. But during second and third grades, FT children tend to make relatively less progress than comparison groups on all achievement measures.

In particular, during kindergarten and first grade, some FT children make relatively greater progress than comparison children on the Total Math and Math Computations measures. Many FT children make relatively less progress on the Reading measure during this early period. And, during second and third grades, many FT children make relatively less progress than comparison children on the Total Math and Math Concepts measures. Some FT children make relatively less progress than the comparison groups on the Reading and Math Computations measures during this later period as well.

## Summary

The Parent Education Model is based on the belief that parents are uniquely qualified to guide their children's emotional and intellectual development and to play a critical role in their children's education. Consequently this model seeks to motivate parents to participate directly in their children's education at home. However, many FT parents report that they are no more actively involved in their children's education than are FT and NFT parents in general.

The performance of FT children on the various measures of the outcome battery varies condiserably among sites. Where cross-cohort comparisons are possible, Cohort III-K FT children perform slightly better than Cohort II-K FT children. FT children in the sites in this model perform roughly as well on the basic skills tests as they do on the cognitive conceptual skills tests and the affective measures; overall 10 to 15 percent of these measures have positive effects and 72 to 84 percent of these measures have null effects.

In this model, FT children with Some Preschool experience and FT children with No Preschool experience generally perform similarly. Finally, relative to disadvantaged children in general, FT children in this model often progress as well as comparison children on the achievement tests during kindergarten and first grade. But, during second and third grades, some FT children in this model make less progress than comparison children on reading and some math achievement measures.

# CHAPTER NINE

## EDC OPEN EDUCATION FOLLOW THROUGH PROGRAM
Education Development Center

### The Model*

The EDC Open Education approach seeks to stimulate learning by providing children with a great variety of materials and experience within a supportive emotional environment. The sponsor believes children learn at individual rates and in individual ways, and teachers should adapt approaches to encourage individual progress and responsibility in learning.

The EDC Model is predicated on the notion that learning, particularly cognitive learning, occurs best when children are offered a wide range of materials and problems to investigate within an open, supportive environment. According to this sponsor, a child's ability to learn depends in part on the opportunities and experiences provided by the educational setting. The sponsor believes that the EDC approach, derived from practices of British infant and primary schools and Piagetian research, is appropriate for all children, regardless of their socioeconomic or educational status. The EDC approach is operationalized by sponsor advisory teams who work with parents, teachers, and school administrators in each site to help realize the EDC open-education philosophy. This advisory team assists in setting up classrooms and selecting a variety of books and materials from which local educators can choose.

The sponsor believes that there is no uniform way to teach reading, writing, or arithmetic skills, and no uniform timetable for all children to follow. Children are not compared with other children and do not receive standardized tests. Consequently, EDC classrooms and teachers vary greatly. Teachers often divide classrooms into interest areas where children may work part or all of the day. Traditional subjects important in the open classroom may be combined with these interest groups. The teacher may work with the entire class, small groups, or individuals. Parents sometimes serve as classroom aides and assist in curriculum planning. In sum, the EDC Model is more a philosophy than a technique.

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*The sponsor comments that, " . . . the emphasis within the last three years has been in two major areas: (1) parent growth and involvement; and (2) teacher development in implementation of an open education approach to learning and curriculum development." Hilliard, G.R. Communication to Mary M. Kennedy, U.S. Office of Education, February 6, 1976.

Since the sponsor does not prescribe a detailed instructional program and feels that the open classroom philosophy is appropriate for all voluntary teachers, this model demands a highly creative and resourceful teacher and is perhaps the most teacher-dependent of the Follow Through models. Teachers must diagnose each child's strengths, potential, and interests and then strive to provide instructional units reflecting that information. They are trained to provide a "hidden structure," to act as guides and resources, to make suggestions and to give encouragement, as the primary methods of extending their pupils' learning activities. Within this environment the pupils are encouraged to work at their own pace, learn from one another, and make choices about their own work.

The parents in this model are encouraged to become involved. Their primary involvement is through their work on the advisory teams and in the PAC organizations. This model's goal for parents is to help them "grow" and understand the concepts of open education. Its general approach is cognitive, with an almost equally heavy socioemotional emphasis. Although there is some stress on specific academic skills, the foci of this model are learning how to learn, developing an appreciation for learning, and encouraging children to take responsibility for their own learning.

The EDC Model as Realized in Follow Through

The EDC Model is evaluated in the eight sites: Philadelphia, PA; Burlington, VT; Lackawanna County, PA; Morgan Community School in Washington, D.C.; Patterson, NJ; Chicago, IL; Laurel, DE; and Johnston County, NC. The EDC sponsored sites are represented in the kindergarten stream of Cohort III and in both the kindergarten and entering first streams of Cohort II.

## Sample Description

As indicated in Figure 9-1, the FT site groups in EDC are spread over the range of socioeconomic levels presented in Follow Through. Each NFT group is reasonably comparable to its local FT group, except in Chicago, where NFT is more disadvantaged, and in Patterson (Cohort II) and Johnston County, where FT is more disadvantaged. In Morgan Community School, Patterson, and Chicago, EDC works with concentrations of ethnic-linguistic minorities; in Philadelphia, the NFT groups include more minorities than the FT groups (see Figure 9-2).

## Teachers' Perceptions of the Model

The EDC Model stresses an "open classroom" approach to teaching and learning. Teachers are trained to act as guides and resources, and to provide students with "hidden structure." Judging from the responses to the teacher questionnaire, indicated in Table 9-1, FT teachers in EDC sponsored sites vary from site to site in their reported use of the model.

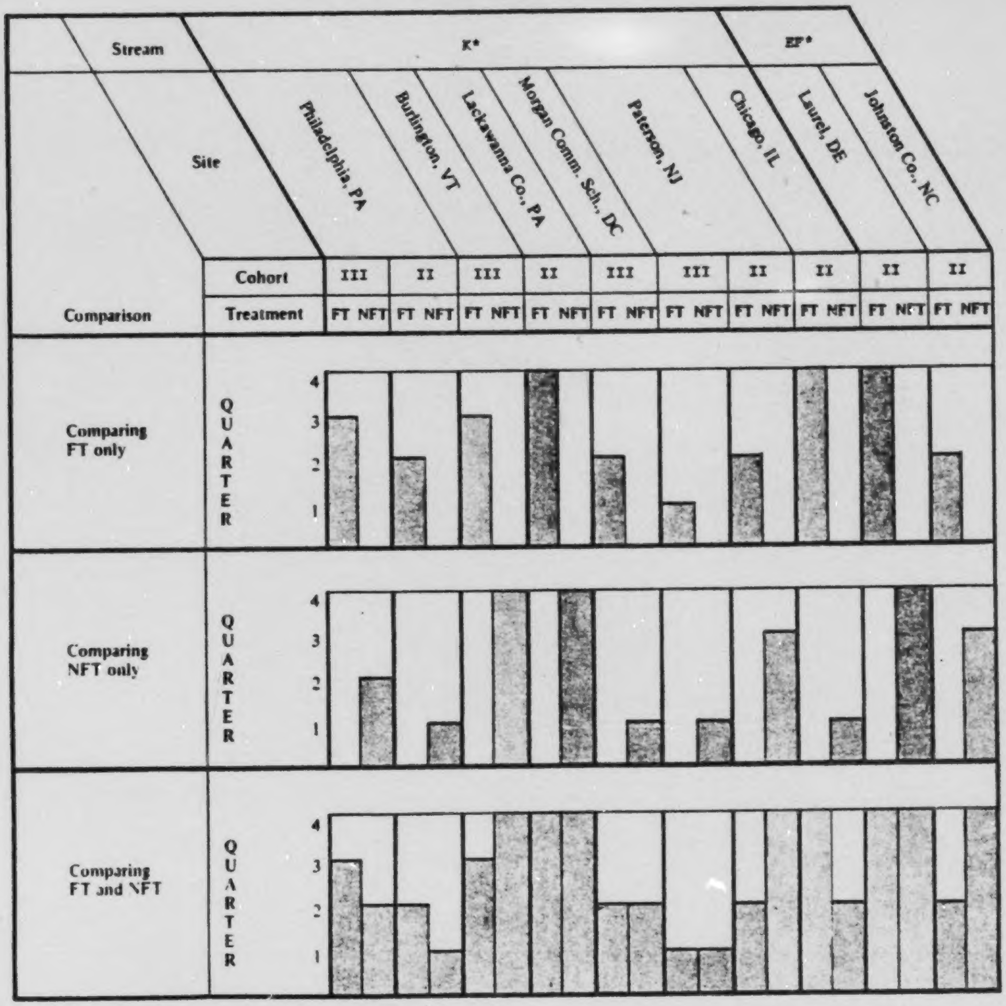
For instance, in Cohort III-K, FT teachers in Philadelphia and Burlington characterize their classrooms as substantially below average in terms of teacher-centeredness; FT teachers in Lackawanna County and Patterson are roughly at the average for all FT and NFT teachers; FT teachers at the Morgan Community School characterize their classes as above average in degree of teacher-centeredness. Many FT teachers characterize their classrooms as being more flexible than average.

FT teachers also vary from site to site in their degree of academic emphasis; FT teachers are above average in three sites, average in a fourth and below average in a fifth site. With one exception, FT teachers are either average or above average in their satisfaction with the sponsor. In Cohort III-K, only FT teachers at the Morgan Community School are below average. FT teachers' responses in Cohort II-K and Cohort II-EF are consistent with the patterns found in Cohort III-K.

## Parents' Perceptions of the Model

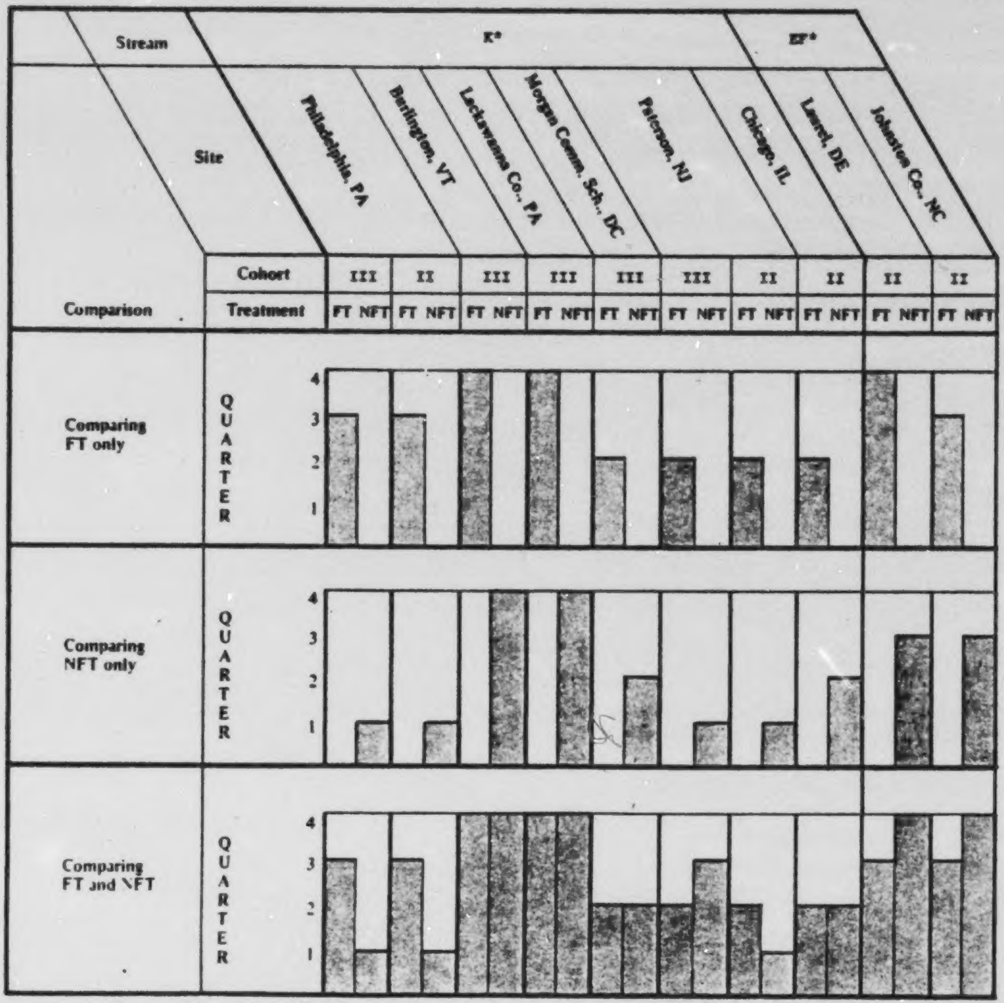
The EDC Model encourages parents to become involved in open education efforts through working with the advisory team. As indicated in Table 9-1, FT parents report being more actively involved in their children's education than FT and NFT parents in general; PAC involvement seems particularly strong for EDC parents. Parents' reports of school impact on their

## Figure 9-1
## RANKINGS ON THE SOCIOECONOMIC DISCREPANCY INDEX FOR EDC SITES



* K = Entering Kindergarten Stream; EF = Entering First Stream.

Figure 9-2
RANKINGS ON ETHNIC-LINGUISTIC INDEX
FOR EDC SITES



* K = Entering Kindergarten Stream; EF = Entering First Stream.

## Table 9-1
## SELECTED STANDARDIZED SCORES* FOR TEACHER CLUSTERS AND PARENT FACTORS FOR EDC SITES

| Stream | K*** | | | | | | | | EF*** | |
|---|---|---|---|---|---|---|---|---|---|---|
| Site | Philadelphia, PA | Burlington, VT | Lackawanna Co., PA | Morgan Comm. Sch., DC | Paterson, NJ | | Chicago, IL | Laurel, DE | Johnston Co., NC | |
| Cohort | III | II | III | III | III | III | II | II | II | II |
| **TEACHER CLUSTERS** | | | | | | | | | | |
| Teacher Centered | 44.5 | 46.9 | 46.9 | | - - | | - - | - - | 46.6 | 36.4 |
| Flexible Classroom | | 53.4 | 53.3 | | - - | 47.0 | - - | - - | | 63.8 |
| Individualization | | | ▨ 57.7 | | | ▨ 60.0 | - - | - - | 45.7 | 59.1 |
| Academic (vs. Emotional) Emphasis | 52.5 | 44.8 | 57.6 | | - - | 44.1 | | - - | 44.5 | 45.2 |
| Satisfaction with Sponsor | | | 64.4 | - - | - - | 61.5 | - - | - - | 45.6 | 58.9 |
| Range of N's | 9 | 5-6 | 4 | 3 | 2 | 4 | 3 | 2-3 | 6 | 6 |
| **PARENT FACTORS** | | | | | | | | | | |
| **School Impact on Child** | | | | | | | | | | |
| School Helped Child | 47.5 | 46.0 | 55.7 | 52.8 | 41.4 | | | | | 52.6 |
| Child's Progress in School | 45.5 | 43.8 | | | 45.6 | | | | | 45.7 |
| Child's Emotional Adjustment | | 44.5 | | | 46.8 | | | | 44.3 | 52.9 |
| School Helped with Child | | | 55.7 | | 42.0 | | | | 45.8 | 55.6 |
| School's Receptivity | | 47.2 | 54.7 | | 45.7 | | | | 47.1 | |
| **Parent Activity** | | | | | | | | | | |
| Talks with Teacher | 46.9 | 55.3 | | | | | 52.9 | | 55.8 | |
| PAC Involvement | 54.7 | 43.8 | 54.6 | 53.3 | 55.4 | 52.6 | | | 53.1 | 55.9 |
| Parent Visits to School | | | | | 63.1 | 54.1 | 52.8 | | | 54.1 |
| School Helped Personally | | 46.7 | | | | 54.2 | | | | 53.8 |
| **Parent Child Interaction** | | | | | | | | | | |
| Child Read to at Home** | 56.5 | | | | | 53.8 | | | | |
| Child Reads at Home** | 54.2 | | 45.5 | | 45.5 | | | | | |
| Parent Child Interaction | ▨ 51.7 | 44.9 | ▨ [illegible] | ▨ 53.1 | ▨ [illegible] | | | | | |
| **Parent Locus** | | | | | | | | | | |
| Parent Locus | 44.6 | 54.5 | | | | | 46.7 | | 46.8 | |
| Range of N's | 32-34 | 22-32 | 21 | 29 | 13-15 | 18-20 | 19-29 | | 82 | 71-75 |

Notes: ▨ Untrustworthy: reliability less than .40.

*All teacher and parent attitudes are standardized with a mean of 50 and a standard deviation of 10. Only scores which are based upon four or more responses and deviate from the mean by one-quarter of a standard deviation or more appear on this table.

**Parent factors for Child Read to at Home and Child Reads at home were not calculated for the Cohort II Kindergarten stream.

*** K = Entering Kindergarten stream; EF = Entering First Grade stream.

children, of parent-child interaction, and of their own sense of control vary from site to site.

### Effects on Children

The EDC Model seeks to provide FT children with a wide range of materials and experiences to stimulate learning. This model focuses on the process of learning to learn and on encouraging children to take responsibility for their own learning. These objectives are difficult to measure; important aspects of the EDC approach may not have been adequately assessed by any of the three domains of the national evaluation. Nevertheless, if this approach has been at all effective, one might expect FT children in EDC sponsored sites to perform above the expectations set by comparison children on some of the cognitive conceptual skills tests and on some of the affective measures. As mentioned in Chapter Two of Volume IV-A, however, the measures in these two domains may only be partially appropriate measures of EDC's affective and cognitive conceptual objectives. We have assessed the effects of the EDC Model in four ways.

#### Entry-Exit Effects*

We find in Table 9-2 that the performance of FT children on the three affective measures varies among sites: in two of the five sites, Morgan Community School and Lackawanna County, FT children perform above expectation based on similarly disadvantaged children on at least some affective measures. The performance of FT children in Cohort II-K and Cohort II-EF sites is somewhat different. FT children perform below expectations on at least one -- and on as many as three -- of the affective measures in the sites in these cohort streams.

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*Certain effects in the Summary of Effects table for this model have been shaded, indicating that we have some concern about the validity of the FT/NFT comparison. A shaded column indicates an FT/NFT difference of 50 percent or more with preschool experience. (None will occur in Cohort III-K sites, due to preschool adjusted analyses.) Shading of specific outcomes within a column indicates an adjustment of more than one-half standard deviation of the outcome measure. The potential problems associated with such FT/NFT differences are discussed in Chapter Four of Volume IV-A. The shaded effects are therefore presented but not discussed. Although both criteria are applied to every outcome in each site, the shading for preschool differences takes precedence over shading for size of adjustment.

# Table 9-2
## SUMMARY OF EFFECTS
## FOR EDC SITES

| Stream | | K* | | | | | | | | | | | | | | EF* | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | | Philadelphia, PA | | Burlington, VT | | Lackawanna Co., PA | | Morgan Comm. Sch., DC | | Paterson, NJ | | | | Chicago, IL | | Laurel, DE | | Johnston Co., NC | | | |
| | Cohort | III | | II | | III | | III | | III | | III | | II | | II | | II | | II | |
| Domain | Outcome Measure / Analytic Comparison | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled |
| BASIC SKILLS | Word Knowledge | | | - | ▨ - | | □ | | ▨ ⊞ | | | | | - | - | ▨ | ▨ | - | | - | ▨ - |
| | Spelling | - | ⊞ | - | ▨ - | | □ | | ▨ | | | | | - | - | ▨ | ▨ - | | | - | ▨ |
| | Language | | □ | | ▨ - | | - | | | | | | | | - | ▨ | ▨ - | | | ▨ | ▨ - |
| | Math Computations | | □ | | ▨ - | | | - | - | | | | | | | ▨ | ▨ - | | | - | - |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | | | | | □ | | | | | | □ | - | - | ▨ | ▨ | | | ▨ | ▨ |
| | Reading | | | | - | | □ | | ▨ □ | | | | | - | - | ▨ | ▨ - | - | - | ▨ - | ▨ - |
| | Math Concepts | | | | - | | | | ▨ □ | | | | | - | - | ▨ | ▨ - | | | ▨ - | ▨ - |
| | Math Problem Solving | | | | ▨ - | | | □ | ▨ □ | | | | □ | - | - | ▨ | ▨ - | | | ▨ - | ▨ - |
| AFFECTIVE MEASURES | Coopersmith | | | | | | | | + | ⊞ | + | | □ | - | | ▨ | ▨ | | | - | - |
| | IARS (−) | | □ | | - | | ▨ ⊞ | | ⊞ | | + | □ | ▨ □ | - | - | ▨ | ▨ - | | | - | - |
| | IARS (+) | | □ | | ▨ - | | ▨ ⊞ | | | | + | | | - | | ▨ | ▨ - | - | - | - | - |
| | Total Reading | | | - | ▨ - | | □ | | ▨ ⊞ | | | | | - | - | ▨ | ▨ - | - | | ▨ - | ▨ - |
| | Total Math | | | | ▨ - | | | - | □ | | | | | - | ▨ - | ▨ | ▨ - | | | - | - |
| | Language Part A | | □ | | | | - | | ⊞ | | | | | - | | ▨ | ▨ - | | | ▨ - | ▨ - |
| | Language Part B | | | | ▨ | | ▨ □ | | □ | | | | | ▨ - | | ▨ | ▨ - | | | ▨ | ▨ |

| NATIONAL NORMS** | | Site FT Sample** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Outcome Measures | MAT Sample | | | | | | | | | | |
| Reading | 20% | 54 | 67 | 30 | 6 | 73 | 70 | 74 | 86 | 36 | 56 |
| Math | 12% | 48 | 50 | 30 | 10 | 53 | 48 | 64 | 86 | 26 | 56 |
| Spelling | 22% | 49 | 64 | 45 | 16 | 60 | 58 | 79 | 86 | 36 | 52 |
| Language*** | 14% | 70 | | 90 | 33 | 87 | 88 | | | 55 | 74 |

Notes:
- * K = Entering Kindergarten stream; EF = Entering First stream
- ** In terms of percentage of children performing one or more years below grade level.
- *** No national norms comparisons were made for Cohort II-K children on the Language subtest.

| | |
|---|---|
| + | FT-favoring effect |
| - | NFT-favoring effect |
| blank | Null effect |
| □ | Preschool Adjustment changes effect |
| ▨ | Untrustworthy effect |

With a few exceptions, FT children in Cohort III-K sites perform as well as expected on all of the basic skills and cognitive conceptual skills tests. The Lackawanna County and Philadelphia FT sites are slightly different; here FT chldren perform below expectations on one basic skills test. In general, however, FT children in most Cohort II-K and Cohort II-EF sites perform below expectations on a number of the basic skills and cognitive conceptual skills tests.

National Norms Comparisons

As indicated at the bottom of Table 9-2, a smaller-than-expected* proportion of FT children in Lackawanna perform at least one year below grade level (the criterion of educational disadvantage**) on three sections of the MAT: Reading, Math, and Spelling. In other sites in this model, a larger-than-expected proportion of FT children perform at least one year below grade level.

Effects by Type of Preschool

The effects of the EDC Model do not vary substantially among FT groups with Some Preschool experience or No Preschool experience. There are a few notable exceptions. FT children with No Preschool experience perform below expectations on one of the basic skills measures and one of the cognitive conceptual skills measures; they also perform above expectations on one of the affective measures. FT children with Some Preschool experience perform below expectations on one of the basic skills tests.

We do not have enough FT Head Start graduates in this model's sample to analyze the impact of this model on them.

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* The expected proportion of children performing at least one year below grade level is shown in the MAT sample column. The reader is cautioned; this expectation is based on the performance of a sample of average children and therefore is a stringent external criterion.

** Section 417 (a)(2) of the General Education Provisions Act provides that for the purpose of the Secretary of Health, Education and Welfare's Annual Report the term "educationally disadvantaged children refers to children who are achieving one or more years behind the achievment expected at the appropriate grade level for such children."

Figure 9-3
SPONSOR LEVEL SUMMARY OF EFFECTS
FOR EDC

| | Analysis | Preschool Blocked Local Analysis | | | Preschool Blocked Pooled Analysis | | |
|---|---|---|---|---|---|---|---|
| | Preschool Experience | Head Start | Some Preschool | No Preschool | Head Start | Some Preschool | No Preschool |
| Domain | Outcome Measure | | | | | | |
| BASIC SKILLS | Word Knowledge<br>Spelling<br>Language<br>Math Computations | ▨ | | - | ▨ | - | - |
| COGNITIVE CONCEPTUAL SKILLS | Raven's<br>Reading<br>Math Concepts<br>Math Problem Solving | ▨ | | - | ▨ + | | - |
| AFFECTIVE MEASURES | Coopersmith<br>IARS (−)<br>IARS (+) | ▨ | | | ▨ | | + |
| | Total Reading<br>Total Math<br>Language Part A<br>Language Part B | ▨ | | | ▨ | | |

| Notes: | | |
|---|---|---|
| | + | FT-favoring effect |
| | − | NFT-favoring effect |
| | blank | Null effect |
| | ▨ | Sample size of less than 30 children |

## Longitudinal Effects

In the longitudinal analysis (see Volume IV-D for details), FT children in the EDC Model make greater progress, relative to the comparison group, on the three math achievement measures during kindergarten and first grade. But, during second and third grades, FT children make relatively less progress than comparison groups on these three measures. On the reading measure, FT children in this model make relatively less progress than during second and third grades.

The overall pattern of relative progress for FT children at different points in time on different tests does not substantially vary by the children's prior preschool experiences.

## Summary

The EDC Model is predicated on the assumption that learning, particularly cognitive learning, occurs best when children are offered a wide range of materials and problems to investigate within an open, supportive environment. Teachers must diagnose the strengths, interests and potential of each student and then provide instruction which reflects this assessment. Judging by teacher reports about the character of their classrooms, FT teachers vary among sites in their approach to the model. Simlarly, while the model encourages parents to become involved in their children's education, judging by parents reports, FT parents vary among sites in the degree of their participation in their children's education.

The performance of FT children on the various measures of the outcome battery varies substantially among sites. In the two sites represented in both cohorts, FT children in Cohort III perform better than FT children in Cohort II. FT children in the sites in this model perform roughly as well in the basic skills domain as they do in the cognitive conceptual skills domain; and 73 and 80 percent respectively of these measures have null effects. But FT children in the sites in this model show slightly better performance in the affective domain, where 10 percent of the effects are positive and 64 percent are null.

This model has roughly the same kind of impact on FT children, whether they have Some Preschool experience or No Preschool experience. In addition, relative to disadvantaged children in general, FT children in this model make greater progress on math achievement measures during kindergarten and first grade. However, during second and third grades, FT children in this model make relatively less progress on math achievement measures, compared to disadvantaged children in general. Furthermore, FT children in this model make relatively less progress on the reading achievement measure than disadvantaged children in general, both during kindergarten and first grade, and during second and third grades.

# CHAPTER TEN

# SELF-SPONSORED PROGRAMS

## The Model

Each of the five Self-Sponsored programs share the unique characteristics of sponsorship rather than any particular educational processes. All of the projects in the Self-Sponsored groups are from the initial group of districts that joined the Follow Through experiment in 1967-68 before the "planned variation" strategy was undertaken. They elected to retain the programs which local school district staffs had implemented rather than select a new sponsor.

These Self-Sponsored programs have not developed published statements concerning their approaches or particular objectives. However, all adhere to the broad aims of Follow Through. These goals are that children be excited about learning, feel good about themselves and their competencies, and master basic reading, language, and arithmetic skills; that teachers make learning interesting and provide individual and small-groups instruction; and that parents share in the education of their children and in school decisions.

## The Self-Sponsored Programs as Realized in Follow Through

Self-Sponsored programs are evaluated in five sites: Detroit, MI; New York, NY; Philadelphia, PA; Portland, OR; and San Diego, CA. All five sites are included in the kindergarten stream of Cohort II.

### Sample Description

Among the Self-Sponsored sites as indicated in Figure 10-1, Philadelphia and San Diego are of low socioeconomic status relative to the rest of Follow Through. These groups, and Detroit's, also include concentrations of ethnic-linguistic minorities (see Figure 10-2). New York's

Figure 10-1
RANKINGS ON THE SOCIOECONOMIC DISCREPANCY INDEX FOR SELF-SPONSORED SITES

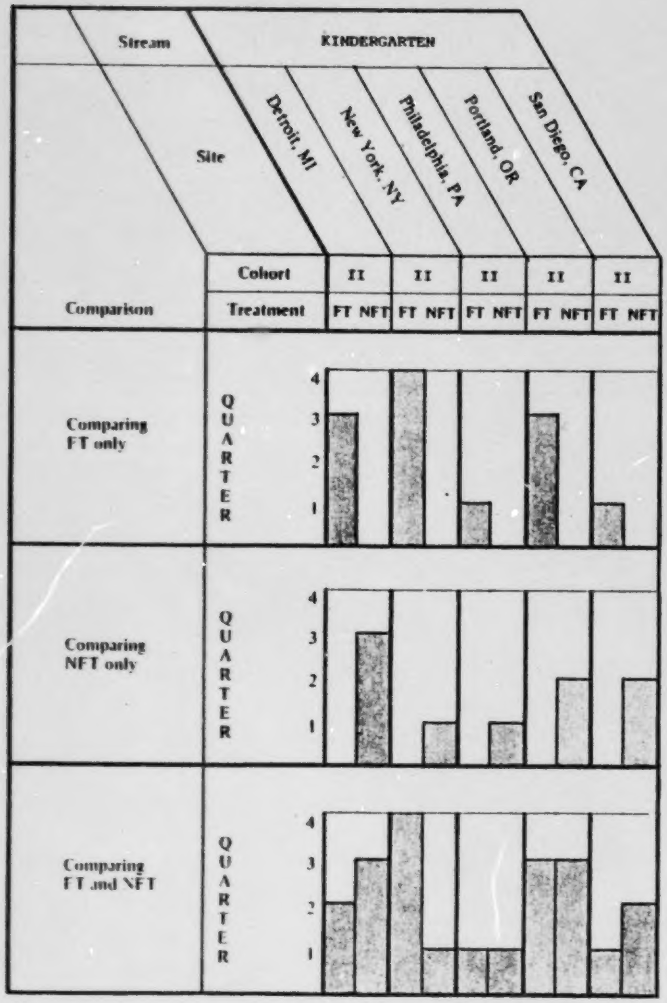
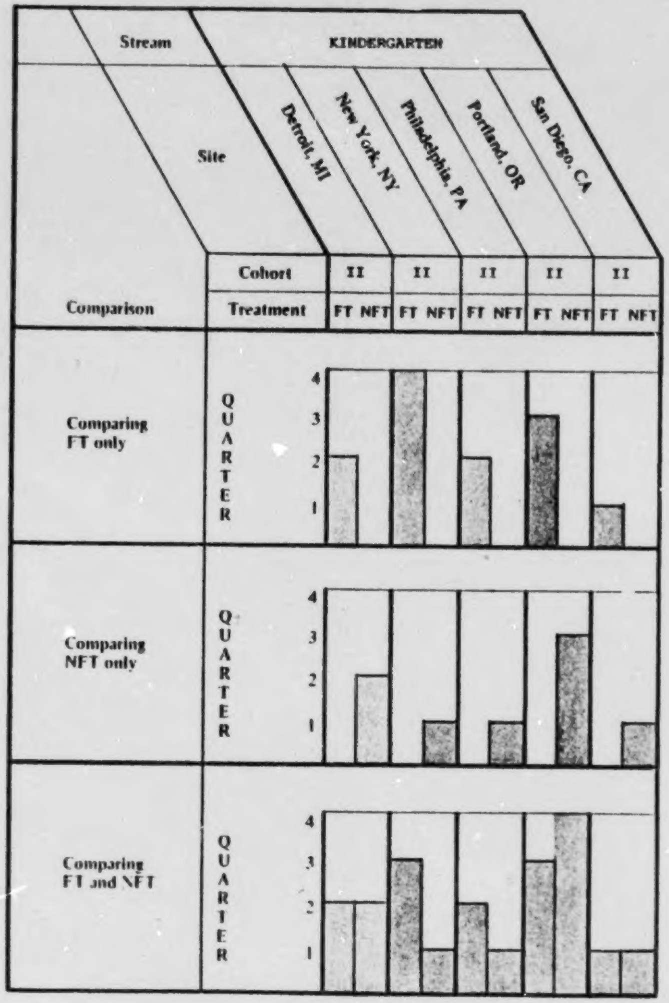


Figure 10-2
RANKINGS ON ETHNIC-LINGUISTIC INDEX FOR SELF-SPONSORED SITES



NFT group is quite different from its FT group, having lower SES and including more minorities; the other FT groups are quite comparable with their local NFT groups.

### Teachers' Perception of the Model

Each Self-Sponsored program has implemented different kinds of educational innovations, using local school district staffs. Thus, in Table 10-1, the perceptions of teachers about the Follow Through models vary considerably from program to program.

FT teachers in four of the five programs express greater satisfaction with the sponsor than do all FT teachers in general. The program in Portland is a slight exception: here, FT teachers are about as satisfied as are all FT teachers in general. Otherwise, FT teachers vary from one program to another in their emphasis on teacher-centeredness, flexibility in the classroom, individualization, and academic emphasis.

### Parents' Perception of the Model

FT parents in different programs vary in their assessment of the school's impact on their children. As can be observed in Table 10-1, FT parents in Portland and San Diego are above the average for all FT and NFT parents on three of the five scales of the School Impact on Child factor. By comparison, FT parents in New York and Philadelphia are below average on two of the scales in this factor. Similarly, FT parents vary among programs in their reported activities. However, FT parents in all Self-Sponsored programs interact as much with their children as do all FT and NFT parents in general. FT parents in four of the five programs are average on the Parent Locus factor.

## Effects on Children

We have assessed the impact of these programs in two ways.

Entry-Exit Effects*

We cannot accurately make comparisons between FT and NFT groups in Detroit, Portland, and San Diego. Furthermore, we cannot accurately determine the impact of FT in New York on most outcome measures.

In terms of child outcomes, Self-Sponsored programs stress competence and mastery of basic reading, language, and arithmetic skills. FT children in Philadelphia perform as well as the expectation set by a local comparison group on all basic skills, cognitive conceptual skills, and affective measures. These FT children perform as well as expected on all basic skills measures, and on three of the four cognitive conceptual skills measures as judged by the pooled analysis.

National Norm Comparisons

As indicated at the bottom of Table 10-2, a smaller-than-expected** proportion of FT children in Portland perform at least one year below grade level (the criterion of educational disadvantage***) on one section of the MAT: Spelling. In other Self-Sponsored sites, a larger-than-expected proportion of FT children perform at least one year below grade level.

---

* Certain effects in the Summary of Effects table for this model have been shaded, indicating that we have some concern about the validity of the FT/NFT comparison. A shaded column indicates an FT/NFT difference of 50 percent or more with preschool experience. Shading of specific outcomes within a column indicates an adjustment of more than one-half standard deviation of the outcome measure. The potential problems associated with such FT/NFT differences are discussed in Chapter Four of Volume IV-A. The shaded effects are therefore presented but not discussed. Although both criteria are applied to every outcome in each site, the shading for preschool differences takes precedence over shading for size of adjustment.

** The expected proportion of children performing at least one year below grade level is shown in the MAT sample column. The reader is cautioned; this expectation is based on the performance of a sample of average children and therefore is a stringent external criterion.

*** Section 417 (a)(2) of the General Education Provisions Act provides that for the purpose of the Secretary of HEW's Annual Report the term "educationally disadvantaged children" refers to children who are achieving one or more years behind the achievement expected at the appropriate grade level for such children.

## Table 10-1
## SELECTED STANDARDIZED SCORES* FOR TEACHER CLUSTERS AND PARENT FACTORS FOR SLEF-SPONSORED SITES

| Stream | KINDERGARTEN | | | | |
|---|---|---|---|---|---|
| Site | Detroit, MI | New York, NY | Philadelphia, PA | Portland, OR | San Diego, CA |
| Cohort | II | II | II | II | II |
| **TEACHER CLUSTERS** | | | | | |
| Teacher Centered | 42.1 | - - | 53.3 | 54.2 | 54.1 |
| Flexible Classroom | | - - | 46.7 | 43.5 | 44.1 |
| Individualization | - - | - - | 42.5 | 41.3 | |
| Academic (vs. Emotional) Emphasis | | - - | 53.6 | | |
| Satisfaction with Sponsor | - - | - - | 53.1 | | 53.4 |
| Range of N's | 2-4 | 1-2 | 4-5 | 4-5 | 8 |
| **PARENT FACTORS** | | | | | |
| School Impact on Child | | | | | |
| School Helped Child | | 45.3 | 46.6 | 52.6 | 52.8 |
| Child's Progress in School | 53.2 | | 44.9 | 55.9 | |
| Child's Emotional Adjustment | | | | | 54.3 |
| School Helped with Child | 53.5 | 47.2 | | | 54.2 |
| School's Receptivity | | | | 53.4 | |
| Parent Activity | | | | | |
| Talks with Teacher | | 46.4 | 44.4 | 52.9 | |
| PAC Involvement | | 57.6 | 53.1 | | |
| Parent Visits to School | 52.6 | | | | |
| School Helped Personally | | 53.2 | | | 52.8 |
| Parent Child Interaction | | | | | |
| Child Read to at Home** | | | | | |
| Child Reads at Home** | | | | | |
| Parent Child Interaction | 54.2 | | | | |
| Parent Locus | | | | | |
| Parent Locus | | | | | 46.8 |
| Range of N's | 17-27 | 7-11 | 18-34 | 14-27 | 18-28 |

Notes: ▨ Untrustworthy: reliability less than .40.

*All teacher and parent attitudes are standardized with a mean of 50 and a standard deviation of 10. Only scores which are based upon four or more responses and deviate from the mean by one-quarter of a standard deviation or more appear on this table.

**Parent factors for Child Read to at Home and Child Reads at home were not calculated for the Cohort II Kindergarten stream.

## Table 10-2
## SUMMARY OF EFFECTS FOR SELF-SPONSORED SITES

| | Stream | KINDERGARTEN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Site | Detroit, MI | | New York, NY | | Philadelphia, PA | | Portland, OR | | San Diego, CA | |
| | Cohort | II | | II | | II | | II | | II | |
| Domain | Outcome Measure / Analytic Comparison | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled |
| BASIC SKILLS | Word Knowledge | ▨ | ▨ | ▨ | ▨ | | | ▨ | ▨ + | ▨ | ▨ |
| | Spelling | ▨ | ▨ - | □ | ▨ - | | ▨ - | ▨ | ▨ - | ▨ | ▨ - |
| | Language | ▨ | ▨ | ▨ | ▨ + | | | ▨ | ▨ | ▨ | ▨ - |
| | Math Computations | ▨ | ▨ + | □ | ▨ - | | | ▨ | ▨ + | ▨ | ▨ - |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | ▨ | ▨ - | ▨ | ▨ - | | | ▨ | ▨ | ▨ | ▨ - |
| | Reading | ▨ | ▨ | ▨ | ▨ | | | ▨ | ▨ + | ▨ | ▨ |
| | Math Concepts | ▨ - | ▨ + | ▨ | ▨ - | | - | ▨ | ▨ | ▨ | ▨ + |
| | Math Problem Solving | ▨ | ▨ - | ▨ | ▨ + | | | ▨ | ▨ + | ▨ | ▨ - |
| AFFECTIVE MEASURES | Coopersmith | ▨ | ▨ | □ | ▨ | | | ▨ | ▨ + | ▨ | ▨ |
| | IARS (−) | ▨ | ▨ | □ | ▨ | | | ▨ | ▨ + | ▨ | ▨ |
| | IARS (+) | ▨ | ▨ | □ | ▨ | | | ▨ + | ▨ + | ▨ | ▨ |
| | Total Reading | ▨ | ▨ | ▨ | ▨ | | | ▨ | ▨ + | ▨ | ▨ |
| | Total Math | ▨ | ▨ - | ▨ | ▨ - | | | ▨ | ▨ + | ▨ | ▨ - |
| | Language Part A | ▨ | ▨ + | □ | ▨ | | | ▨ | ▨ + | ▨ | ▨ |
| | Language Part B | ▨ | ▨ - | ▨ | ▨ - | | | ▨ | ▨ | ▨ | ▨ - |

| NATIONAL NORMS* | | Site FT Sample* | | | | |
|---|---|---|---|---|---|---|
| Outcome Measures | MAT Sample | | | | | |
| Reading | 20% | 42 | 30 | 48 | 22 | 59 |
| Math | 12% | 33 | 20 | 59 | 22 | 54 |
| Spelling | 22% | 42 | 25 | 40 | 22 | 52 |
| Language** | 14% | | | | | |

Notes:

* In terms of percentage of children performing one or more years below grade level.
No national norms comparisons were made for Cohort II-K children on the Language subtest.

| | |
|---|---|
| + | FT-favoring effect |
| − | NFT-favoring effect |
| blank | Null effect |
| □ | Preschool Adjustment changes effect |
| ▨ | Untrustworthy effect |

### Effects by Type of Preschool Experience

Since this sponsor is only represented in Cohort II-K, we have not assessed the effects by type of preschool experience.

### Longitudinal Effects

Since this sponsor is only represented in Cohort II-K, we have not analyzed longitudinal effects.

## Summary

Each of the five Self-Sponsored programs are similar to one another in unique characteristics of sponsorship rather than in the educational processes they employ. All Self-Sponsored programs are implemented by local school district staffs. FT teachers vary among sites in the ways they characterize their classrooms. In four of the five sites however, FT teachers report that they are more satisfied with their FT programs than are FT teachers in general. FT parents vary among sites in their perceptions of the programs.

In four of the five sites, we do not have confidence in our estimates of the program's effects on children. In Philadelphia, however, FT children generally perform as well as the NFT children on both the basic skills and affective measures; 100 percent of the measures have null effects. FT children perform slightly differently on the cognitive conceptual skills tests, where 88 percent of the effects are null.

# CHAPTER ELEVEN

## INDIVIDUALIZED EARLY LEARNING PROGRAM (IELP)

University of Pittsburgh - Learning Research and Development Center

### The Model

The Individualized Early Learning Program (IELP) rests on the concept that instruction should be geared to the individual's needs and stages of cognitive development. The approach is structured and emphasizes achievement in reading, language, and math. The kindergarten program provides tasks and learning materials to enhance mastery of developmental Piagetian processes. This approach continues in the primary grades. Materials for use during "free time," when the children select their own activities, are designed with the sponsor's educational goals in mind. The sponsor provides specially prepared sequential instructional materials in reading and math. These IELP materials are to be used for a set amount of time each day, which can, however, be spread over the entire day. Children work independently or in small groups. The major goal of this approach is to foster the child's academic achievement by individualizing instruction. Children also are expected to learn to direct and evaluate their own progress.

Teachers are trained to assess the individual's intellectual and emotional level, interests, capabilities and learning style. They are expected to provide individual guidance and encouragement and to pattern different teaching methods to suit each child.

The parent involvement component of the IELP is designed to help parents improve and use their positive reinforcement skills and increase their knowledge and support of their child's learning and development. The model provides behavioral objectives and evaluation and training activities for parents working in the classrooms, in the school, and in their homes. A three-stage training program for parents begins with basic communication skills and behavior modification, continues with techniques for working in the classroom with the children, and concludes with a follow-up period in which parents and teachers visit and exchange ideas. The parent training programs vary from community to community and are an optional part of the model. In general, efforts are made to encourage parents to volunteer to assist in classrooms, to participate in the PAC, and to attend meetings concerning the sponsor's approach. Otherwise, the model is fairly structured in its prescription of materials and techniques designed to improve the cognitive abilities of the individual children.

## IELP as Realized in Follow Through

IELP is evaluated in three sites: Lock Haven, PA; Montevideo, MN; and Akron, OH. All three ILEP sites are represented only in Cohort III-K.

### Sample Description

Of IELP's three FT site groups, only Akron is below the average for FT in terms of socioeconomic characteristics (see Figure 11-1). As indicated in Figure 11-2, none include large concentrations of ethnic-linguistic minorities. All local NFT groups are reasonably comparable to their FT groups.

### Teachers' Perceptions of the Model

The IELP philosophy leads us to expect that teachers in FT classrooms will emphasize individualized instruction. In Table 11-1, FT teachers report a lower than average degree of focus on individualization. A low to average degree of structure characterizes classrooms in the IELP sites. On the whole, teachers report that their classrooms have a low degree of teacher-centeredness.

The degree of academic emphasis in the classroom environment reported by teachers in the IELP ranges from an average degree of academic emphasis in both Lock Haven and Montevideo to an above average degree in Akron. FT teachers in all three sites report that they are more satisfied with the sponsor than are all FT teachers in general.

Figure 11-1
RANKINGS ON THE SOCIOECONOMIC DISCREPANCY INDEX FOR IELP SITES

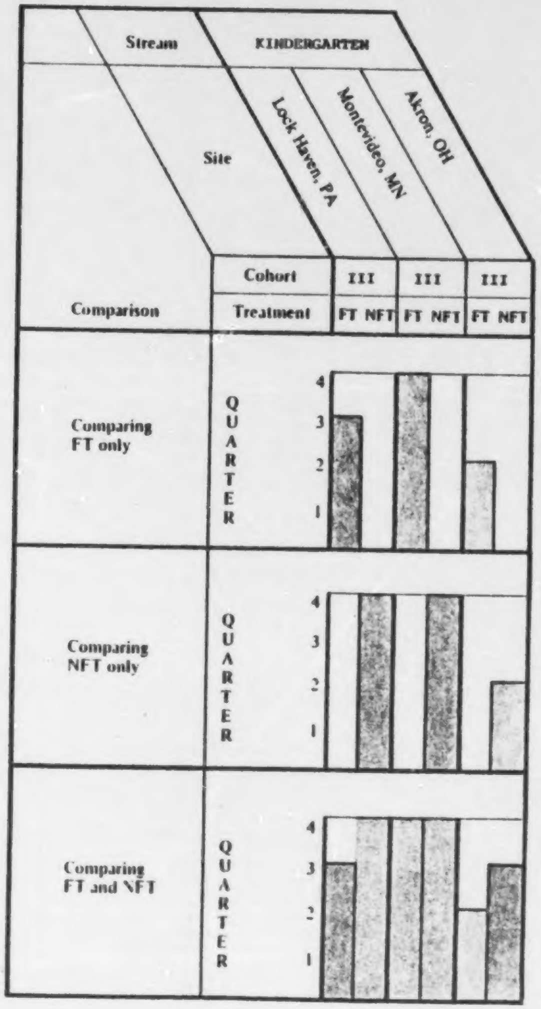
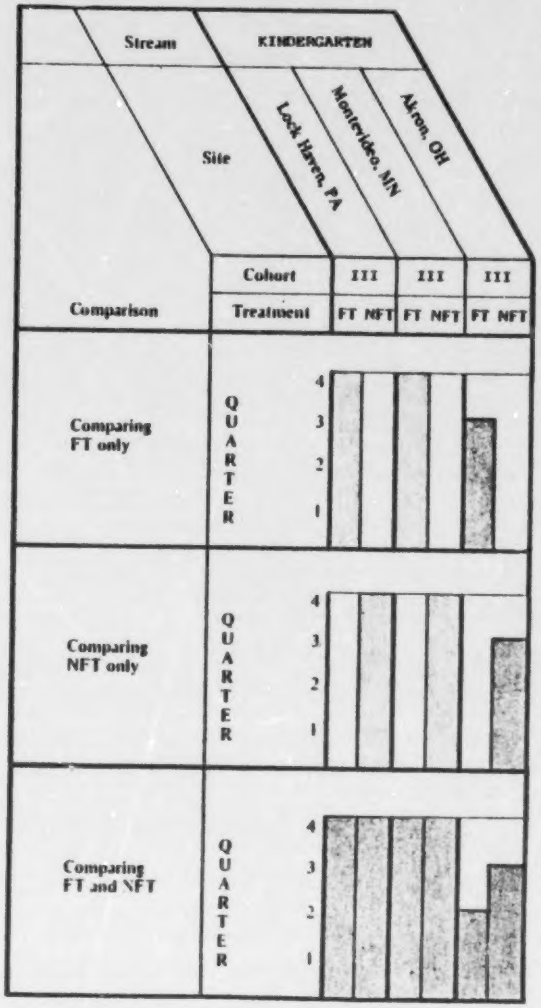


Figure 11-2
RANKINGS ON ETHNIC-LINGUISTIC INDEX FOR IELP SITES



### Parents' Perceptions of the Model

The IELP philosophy leads us to expect that parents will be particularly supportive of their children's learning and development. As indicated in Table 11-1, FT parents in three sites report above average or below average parent-child interaction. In Akron, FT parents report above average parent activity. In the other two sites, however, parent reports are varied: depending on the scale, the parents may report less, equal or more activity than average. Parental reports of the school's impact on the child are similarly varied. These parents also report average or below average locus of control.

## Effects on Children

IELP emphasizes children's academic achievement fostered through individualized instruction. Such achievement, if present, should be evident in both the basic skills and cognitive conceptual skills domains of the national evaluation. We have assessed the effects of this model in four ways.

### Entry-Exit Effects*

The achievement outcomes of IELP in the three sites, as judged by the basic skills tests and cognitive conceptual skills tests, have only a few instances where FT children perform better than expected as compared to NFT children. In many instances, FT children in these sites perform either as well as or below what is expected on the basis of comparison children.

The performance of FT children on the four cognitive conceptual skills tests varies among sites, as indicated in Table 11-2. In Montevideo, FT children perform above expectations on one of the four cognitive conceptual skills tests, and as well as expected on the remaining three. But in Lock Haven, FT children perform below expectations on two or three of the

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* Certain effects in the Summary of Effects table for this model have been shaded, indicating that we have some concern about the validity of the FT/NFT comparison. Shading of specific outcomes within a column indicates an adjustment of more than one-half standard deviation of the outcome measure. The potential problems associated with such FT/NFT differences are discussed in Chapter Four of Volumne IV-A. The shaded effects are therefore presented but not discussed.

172

## Table 11-1
## SELECTED STANDARDIZED SCORES*
## FOR TEACHER CLUSTERS AND PARENT FACTORS FOR IELP SITES

| Stream | KINDERGARTEN | | |
|---|---|---|---|
| Site | Lock Haven, PA | Montevideo, MN | Akron, OH |
| Cohort | III | III | III |
| **TEACHER CLUSTERS** | | | |
| Teacher Centered | 47.3 | | 46.9 |
| Flexible Classroom | 55.9 | | |
| Individualization | 7.0 | 43.0 | |
| Academic (vs. Emotional) Emphasis | | | 54.8 |
| Satisfaction with Sponsor | 56.3 | 59.4 | 53.1 |
| Range of N's | 4-5 | 6 | 6 |
| **PARENT FACTORS** | | | |
| **School Impact on Child** | | | |
| School Helped Child | | | |
| Child's Progress in School | | 53.4 | 46.7 |
| Child's Emotional Adjustment | | 47.0 | 52.6 |
| School Helped with Child | | 46.9 | 55.4 |
| School's Receptivity | | | |
| **Parent Activity** | | | |
| Talks with Teacher | | 52.7 | |
| PAC Involvement | 54.6 | | 54.7 |
| Parent Visits to School | 47.4 | 45.8 | 53.1 |
| School Helped Personally | 57.0 | 47.0 | 54.5 |
| **Parent Child Interaction** | | | |
| Child Read to at Home** | | 47.0 | |
| Child Reads at Home** | | 47.1 | |
| Parent Child Interaction | | | |
| **Parent Locus** | | | |
| Parent Locus | | 43.4 | |
| Range of N's | 30 | 39-42 | 29 |

Notes ▨ Untrustworthy: reliability less than .40.

*All teacher and parent attitudes are standardized with a mean of 50 and a standard deviation of 10. Only scores which are based upon four or more responses and deviate from the mean by one-quarter of a standard deviation or more appear on this table.

**Parent factors for Child Read to at Home and Child Reads at home were not calculated for the Cohort II Kindergarten stream.

## Table 11-2
## SUMMARY OF EFFECTS FOR IELP SITES

| | Stream | KINDERGARTEN | | | | | |
|---|---|---|---|---|---|---|---|
| | Site | Lock Haven, PA | | Montevideo, MN | | Akron, OH | |
| | Cohort | III | | III | | III | |
| Domain | Outcome Measure / Analytic Comparison | Local | Pooled | Local | Pooled | Local | Pooled |
| BASIC SKILLS | Word Knowledge | - | ☐ | | | | |
| | Spelling | | | | ⊞ | - | - |
| | Language | - | - | - | - | - | - |
| | Math Computations | - | - | - | - | | |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | ▨ | | | + | + |
| | Reading | - | - | + | + | - | - |
| | Math Concepts | - | - | | | | |
| | Math Problem Solving | | ⊟ | | | | |
| AFFECTIVE MEASURES | Coopersmith | | | | | | ⊟ |
| | IARS (−) | | ☐ | + | + | | |
| | IARS (+) | ☐ | - | | | | |
| | Total Reading | - | ☐ | | ☐ | ☐ | ⊟ |
| | Total Math | - | - | | | | |
| | Language Part A | | | | | + | - |
| | Language Part B | - | - | - | - | - | - |

| NATIONAL NORMS* | | Site FT Sample* | | |
|---|---|---|---|---|
| Outcome Measures | MAT Sample | | | |
| Reading | 20% | 20 | 1 | 45 |
| Math | 12% | 43 | 8 | 47 |
| Spelling | 22% | 16 | 1 | 34 |
| Language** | 14% | 64 | 22 | 86 |

Notes:

* In terms of percentage of children performing one or more years below grade level.
No national norms comparisons were made for Cohort II-K children on the Language subtest.

+ FT-favoring effect
NFT-favoring effect
blank Null effect

☐ Preschool Adjustment changes effect
▨ Untrustworthy effect

cognitive conceptual skills tests, depending on the analysis strategy used. In Akron, FT children perform better than expected on one of the four cognitive conceptual skills tests, below expectations on a second, and as well as expected on the remaining two tests.

The patterns of effects on the basic skills tests are more consistent. In all IELP sponsored sites, FT children perform below expectations on two of the four basic skills tests. With two notable exceptions (the local analysis in Lock Haven and the pooled analysis in Montevideo), FT children perform as well as expected on the remaining two basic skills tests. On the whole, FT children in Lock Haven and Akron perform as well as expected on the three affective measures. FT children in Montevideo perform above expectations on one of the affective measures.

### National Norm Comparisons

As indicated at the bottom of Table 11-2, a smaller-than-expected* proportion of FT children in Montevideo and Lock Haven perform at least one year below grade level (the criterion of educationa disadvantage**) on three and two sections of the MAT, respectively. In other sites in this model, a larger-than-expected proportion of FT children perform at least one year below grade level.

### Effects by Type of Preschool Experience

In general, the impact of the IELP model does not vary notably between FT children with either Some Preschool or No Preschool experience. FT children with these kinds of experiences perform as well as expected on the four cognitive conceptual skills measures. FT Head Start graduates are slightly different and perform above the expectations set by both the local and pooled NFT comparison groups on one of the cognitive conceptual skills tests. (However, in the pooled analysis, FT Head Start graduates perform below expectations on a second test.)

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* The expected proportion of children performing at least one year below grade level is shown in the MAT sample column. The reader is cautioned; this expectation is based on the performance of a sample of average children and therefore is a stringent external criterion.

** Section 417 (a)(2) of the General Education Provisions Act provides that for the purpose of the Secretary of HEW's Annual Report the term "educationally disadvantaged children" refers to children who are achieving one or more years behind the achievement expected at the appropriate grade level for such children.

# Figure 11-3
# SPONSOR LEVEL SUMMARY OF EFFECTS FOR IELP

| Domain | Analysis / Preschool Experience / Outcome Measure | Preschool Blocked Local Analysis |  |  | Preschool Blocked Pooled Analysis |  |  |
|---|---|---|---|---|---|---|---|
|  |  | Head Start | Some Preschool | No Preschool | Head Start | Some Preschool | No Preschool |
| BASIC SKILLS | Word Knowledge |  |  |  |  | + |  |
|  | Spelling |  |  |  |  |  |  |
|  | Language | – | – | – | – | – | – |
|  | Math Computations |  | – | – |  | – | – |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | + |  |  | + |  |  |
|  | Reading |  |  |  | – |  |  |
|  | Math Concepts |  |  |  |  |  |  |
|  | Math Problem Solving |  |  |  |  |  |  |
| AFFECTIVE MEASURES | Coopersmith |  |  |  | – |  |  |
|  | IARS (–) |  |  |  |  | + |  |
|  | IARS (+) |  |  |  | – |  |  |
|  | Total Reading |  |  |  | – | + |  |
|  | Total Math |  |  |  |  |  |  |
|  | Language Part A | – |  |  | – |  |  |
|  | Language Part B | – | – | – | – | – | – |

| Notes: | | |
|---|---|---|
| | + | FT-favoring effect |
| | – | NFT-favoring effect |
| | blank | Null effect |
| | ▨ | Sample size of less than 30 children |

FT Head Start graduates perform below the expectations derived from the performance of the local and pooled NFT groups on one of the four basic skills tests, and as well as expected on the remaining three tests. By comparison FT children with No Preschool experience or Some Preschool experience perform below expectations on two of the four basic skills tests.

Finally, these FT children perform as well as expected on two or three of these affective measures, depending on the analysis used.

### Longitudinal Analysis

As discussed in Volume IV-D, the FT and NFT analytic comparison groups included in the longitudinal analysis are not comparable. Thus we do not have confidence in our longitudinal findings and shall not report them here.

## Summary

The Individualized Early Learning Program is a structured approach, geared to the child's needs and stages of cognitive development, emphasizing achievement in reading, language and math. The model seeks to foster the child's academic achievement by individualizing instruction. However, the majority of FT teachers in this model characterize their classrooms as being less individualized than average. Nevertheless, many FT teachers report that their classrooms are less teacher-centered than average. FT parents vary among sites in the extent to which they are involved in their children's education.

The performance of FT children on the various measures of the outcome battery varies somewhat among sites, depending on the domain. FT children in the sites in this model perform differently in the three domains. In the basic skills domain, 4 percent of the effects are positive while 42 percent are null. In the cognitive conceptual skills domain, 17 percent of the effects are positive while 52 percent are null. And in the affective domain, 11 percent of the effects are positive, while 78 percent are null. FT children with different kinds of prior preschool experiences perform similarly.

# CHAPTER TWELVE

## INTERDEPENDENT LEARNING MODEL (ILM)

City University of New York*

### The Model

The Interdependent Learning Model (ILM) is an interpersonal humanist approach to elementary education. In the cognitive sphere the model's goal for children is learning how to learn, rather than learning specific curricula. Socially, children are taught positive attitudes toward each other, cooperative and responsible behavior, and self-evaluation in ILM classrooms. The model holds that children learn most effectively by doing, i.e., by direct experience with intellectually challenging ideas and materials; that knowledge is more readily acquired through child-child and adult-child informational exchanges (transactions) in small groups than through authoritatian, didactive instructional methods. The social goals are realized by permitting the children to learn from each other in an open, personally accepting environment, where teachers and teacher-aides working as co-equal team members, model the ILM-appropriate behaviors. This sponsor requires the use of a phonics-based reading instruction method in model classrooms, and provides prototype materials for teaching teams that are designed to further children's cognitive and language skills, and their ethnic identity.

The model's educational philosophy is operationalized through the extensive use of Transactional Instructional Games, which teach academic skills and positive peer interactions. Any one game is played by children with heterogeneous skills, with the more advanced helping the less advanced. Through the verbal transactions that occur during the games, the children develop skills in verbal fluency, cooperative behavior, and in those specific academic areas (language, reading, arithmetic) around which the games are devised. Teaching teams are encouraged to create their own instructional games, and to elicit games from the children and the surrounding community for use in the classrooms. Local district curricula objectives determine the content of most of the games.

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* Since July 1976, the model has been operated under the auspices of the School of Education, Fordham University.

The model trains teachers to help children learn how to learn. The teams teach by playing the instructional games with the children, verbalizing and demonstrating the rules and procedures, then transferring control of the games to the children. Content-free game formats, which may be used to teach a variety of subjects, also facilitate verbal fluency. The games are structured and presented according to the principles of programmed instruction: complex learnings are separated into small steps, allowing children to progress according to their individual ability levels and to evaluate their own work.

The model invites parents to participate in the classrooms as part of the educational team, sharing in the planning and teaching activities. With the game approach, parents can play leadership roles. For those parents who are unable to participate in the classroom activites and in workshops, the model offers home visits to train them in the use of the instructional games so that they can play them at home with their children. Although the general goal is to develop cognitive skills, the instructional approach is open and individualized with a strong emphasis on small-group instruction.

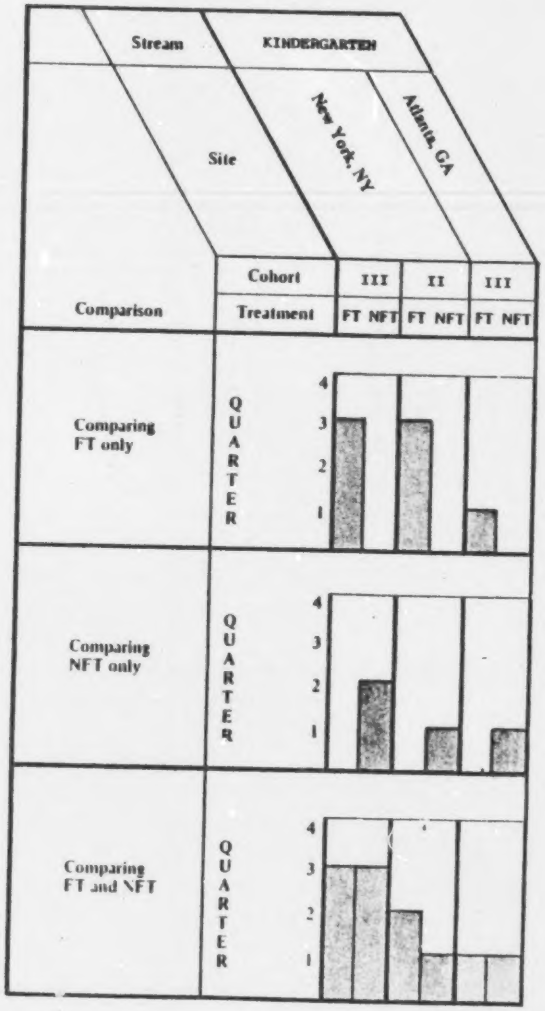
## ILM as Realized in Follow Through

ILM is evaluated in two sites: New York, NY and Atlanta, GA. ILM sponsored sites are represented in the kindergarten stream of both Cohort III and Cohort II.

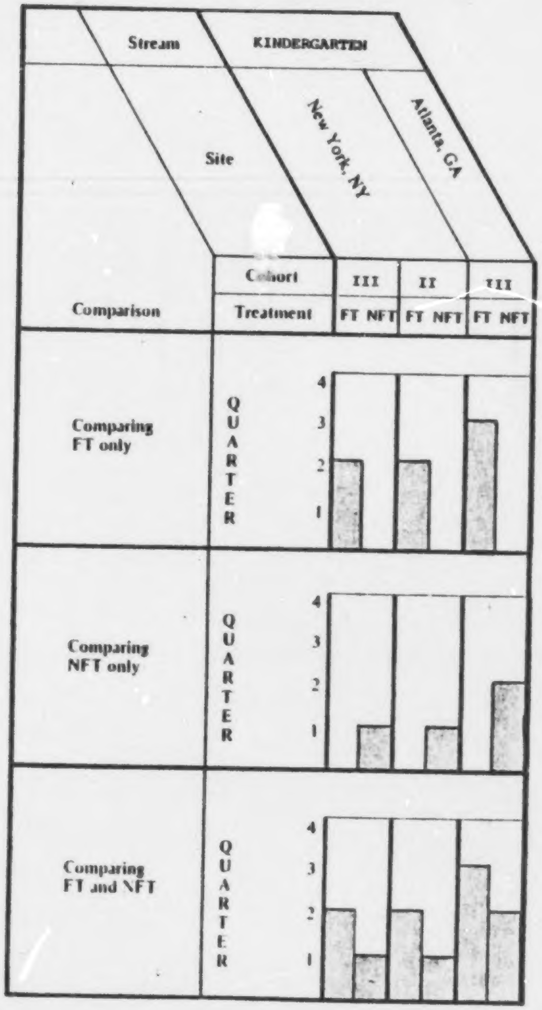
### Sample Description

As indicated in Figures 12-1 and 12-2, ILM's two groups in New York are near the average socioeconomic level for Follow Through and have moderate concentrations of ethnic-linguistic minorities. The Atlanta group is significantly more disadvantaged, but with fewer minorities. All three NFT groups are reasonably comparable to their local FT groups.

## Figure 12-1
## RANKINGS ON THE SOCIOECONOMIC DISCREPANCY INDEX FOR ILM SITES



## Figure 12-2
## RANKINGS ON ETHNIC-LINGUISTIC INDEX FOR ILM SITES



## Teachers' Perceptions of the Model

One of the sponsor's objectives is to change the normal routine of classroom activities. As judged by teacher questionnaire data in Table 12-1, FT teachers in Atlanta (Cohort III-K) report that their classrooms are highly flexible and above average in terms of teacher-centeredness. FT teachers here report a below average emphasis on the development of academic skills and express a high degree of satisfaction with the sponsor.

## Parents' Perception of the Model

Another of the sponsor's objectives is parental involvement in their children's education. We have measured different aspects of parental involvement by the four parent factors shown in Table 12-1. FT parents' responses in Cohort III-K vary slightly between sites on the Parent Activity factor. Similarly, FT parents in New York are below average on two of the scales of the School Impact on Child factor and average on the remaining three; FT parents in Atlanta are above average on two of the five scales and average on the remaining three. FT parents in both Cohort III-K sites are generally average in terms of parent child interaction. FT parents in Cohort II-K are slightly different from those in Cohort III-K in attitudes.

## Effects on Children

ILM emphasizes learning how to learn. Thus we might expect that FT children in this model will be particularly likely to perform above expectations based on comparable NFT children on the cognitive conceptual skills tests of our outcome battery. As mentioned in Chapter Two of Volume IV-A, however, the four tests in this domain may only be partially appropriate measures of the cognitive conceptual objectives of this model. We have assessed the impact of this model in three ways.

## Table 12-1
## SELECTED STANDARDIZED SCORES* FOR TEACHER CLUSTERS AND PARENT FACTORS FOR ILM SITES

| Stream | KINDERGARTEN | | |
|---|---|---|---|
| Site | New York, NY | | Atlanta, GA |
| Cohort | III | II | III |
| **TEACHER CLUSTERS** | | | |
| Teacher Centered | - - | - - | 52.8 |
| Flexible Classroom | - - | - - | 62.2 |
| Individualization | - - | - - | ▨ 60.6 |
| Academic (vs. Emotional) Emphasis | - - | ▨ - - | 46.4 |
| Satisfaction with Sponsor | - - | - - | 54.3 |
| Range of N's | 3 | 3 | 10-11 |
| **PARENT FACTORS** | | | |
| School Impact on Child | | | |
| School Helped Child | 4[illegible].0 | | |
| Child's Progress in School | | | |
| Child's Emotional Adjustment | 46.7 | | 54.0 |
| School Helped with Child | | | 57.0 |
| School's Receptivity | | | |
| Parent Activity | | | |
| Talks with Teacher | | 45.8 | |
| PAC Involvement | 53.4 | 45.6 | 53.3 |
| Parent Visits to School | 57.5 | | |
| School Helped Personally | | | |
| Parent Child Interaction | | | |
| Child Read to at Home ** | | | |
| Child Reads at Home ** | | | |
| Parent Child Interaction | 56.3 | | |
| Parent Locus | | | |
| Parent Locus | ▨ 54.9 | | ▨ 53.0 |
| Range of N's | 18-20 | 18-33 | 29-31 |

Notes: ▨ Untrustworthy: reliability less than .40.

*All teacher and parent attitudes are standardized with a mean of 50 and a standard deviation of 10. Only scores which are based upon four or more responses and deviate from the mean by one-quarter of a standard deviation or more appear on this table.

**Parent factors for Child Read to at Home and Child Reads at home were not calculated for the Cohort II Kindergarten stream.

## Table 12-2
## SUMMARY OF EFFECTS FOR ILM SITES

| | Stream | KINDERGARTEN | | | | | |
|---|---|---|---|---|---|---|---|
| | Site | New York, NY | | | | Atlanta, GA | |
| | Cohort | III | | II | | III | |
| Domain | Outcome Measure / Analytic Comparison | Local | Pooled | Local | Pooled | Local | Pooled |
| BASIC SKILLS | Word Knowledge | | ⊟ | | | | |
| | Spelling | | - | | - | | |
| | Language | - | - | | - | | + |
| | Math Computations | | | | | | |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | | | - | | |
| | Reading | - | - | | | | |
| | Math Concepts | | | | ▨ - | | |
| | Math Problem Solving | | | | ▨ + | | |
| AFFECTIVE MEASURES | Coopersmith | | ⊟ | | | | ⊟ |
| | IARS (–) | | ⊟ | | | | |
| | IARS (+) | | ⊟ | | | | |
| | Total Reading | | ⊟ | | | | |
| | Total Math | | | - | - | | |
| | Language Part A | | - | | | | + |
| | Language Part B | ⊟ | - | | - | | ⊞ |

| NATIONAL NORMS* | | Site FT Sample* | | |
|---|---|---|---|---|
| Outcome Measures | MAT Sample | | | |
| Reading | 20% | 25 | 26 | 58 |
| Math | 12% | 36 | 38 | 61 |
| Spelling | 22% | 39 | 36 | 41 |
| Language** | 14% | 72 | | 67 |

Notes:

* In terms of percentage of children performing one or more years below grade level.

** No national norms comparisons were made for Cohort II-K children on the Language subtest.

| | |
|---|---|
| + | FT-favoring effect |
| - | NFT-favoring effect |
| blank | Null effect |
| ☐ | Preschool Adjustment changes effect |
| ▨ | Untrustworthy effect |

Entry-Exit Effects*

FT children in Cohort III-K perform as well as expected on at least three of the cognitive conceptual skills tests. FT children in New York (Cohort III-K) perform below expectations on one of the four tests as shown in Table 12-2. FT children in the New York Cohort II-K site perform roughly as well.

In Cohort III-K the performance of FT children on the four basic skills measures varies among sites, and within sites between analytic groups. In particular, judged by the pooled analysis, FT children in New York perform below expectations on three of the four basic skills tests; judged by the local analysis these FT children perform below expecatations on only one test. Cohort II-K FT children in New York are somewhat similar. In Atlanta, the FT group performs as well as expected on three or four of the basic skills tests, depending on the analysis.

Judged by the local analysis, Cohrot III-K FT children in both Atlanta and New York perform as well as expected on all three affective measures. Judged by the pooled analysis, we find some variability among sites. FT children in New York perform below expectations on all measures. FT children in Atlanta perform below expectations on only one measure. Cohrt II-K FT children perform as well as expected on all three affective measures.

National Norms Comparison

As indicated at the bottom of Table 12-2, in all sites in this model, a larger-than-expected**proportion of FT children perform at least one year below grade level (the criterion of educational disadvantage.***)

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* Certain effects in Summary of Effects table for this model have been shaded, indicating that we have some concern about the validity of the FT/NFT comparison. Shading of specific outcomes within a column indicates an adjustment of more than one-half standard deviation of the outcome measure. The potential problems associated with such FT/NFT differences are discussed in Chapter Four of Volume IV-A. The shaded effects are therefore presented but not discussed.

** The expected proportion of children performing at least one year below grade level is shown in the MAT sample column. The reader is cautioned; this expectation is based on the performance of a sample of average children and therefore is a stringent external criterion.

*** Section 417(a)(2) of the General Education Provisions Act provides that for the purpose of the Secretary of HEW's Annual Report the term "educationally disadvantaged children refers to children who are achieving one or more years behind the achievement expected at the appropriate grade level for such children."

Figure 12-3
## SPONSOR LEVEL SUMMARY OF EFFECTS FOR ILM

|  | Analysis | Preschool Blocked Local Analysis |  |  | Preschool Blocked Pooled Analysis |  |  |
|---|---|---|---|---|---|---|---|
|  | Preschool Experience | Head Start | Some Preschool | No Preschool | Head Start | Some Preschool | No Preschool |
| Domain | Outcome Measure |  |  |  |  |  |  |
| BASIC SKILLS | Word Knowledge | ▨ |  |  | ▨ |  |  |
|  | Spelling | ▨ |  |  | ▨ |  |  |
|  | Language | ▨ |  |  | ▨ | + |  |
|  | Math Computations | ▨ |  |  | ▨ | + |  |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | ▨ |  |  | ▨ |  |  |
|  | Reading | ▨ |  |  | ▨ |  |  |
|  | Math Concepts | ▨ |  |  | ▨ |  |  |
|  | Math Problem Solving | ▨ |  |  | ▨ |  |  |
| AFFECTIVE MEASURES | Coopersmith | ▨ |  | − | ▨ | − | − |
|  | IARS (−) | ▨ |  |  | ▨ |  |  |
|  | IARS (+) | ▨ − |  |  | ▨ − |  | + |
|  | Total Reading | ▨ |  |  | ▨ |  |  |
|  | Total Math | ▨ |  |  | ▨ |  |  |
|  | Language Part A | ▨ |  |  | ▨ | + |  |
|  | Language Part B | ▨ |  |  | ▨ |  |  |

Notes:
| | |
|---|---|
| + | FT-favoring effect |
| − | NFT-favoring effect |
| blank | Null effect |
| ▨ | Sample size of less than 30 children |

Effects by Type of Preschool Experience

In general, the impact of ILM varies slightly between FT children with Some Preschool or No Preschool experience. As indicated in Figure 12-3, the extent of these variations depends on whether we have used the local or pooled analysis. Judged by the pooled analysis, FT children with Some Preschool experience perform above expectations on two of the basic skills tests while FT children with No Preschool experience perform below expectations on one of the basic skills tests. Judged by the pooled analysis, FT children with Some Preschool experience perform below expectation on one of the affective measures, while FT children with No Preschool experience perform below expectations on one affective measure, and above expectations on another measure. Judged by the local analysis, both FT preschool groups perform as well as expected on all the basic skills tests and cognitive conceptual skills tests, and on most of the affective measures.

## Longitudinal Analysis

We do not have sufficient number of children in the ILM sample at three points in time to permit an analysis of their relative progress from kindergarten to first grade and from second to third grade.

## Summary

The Interdependent Learning Model makes use of instructional games that teach academic skills and positive peer interaction. Many FT teachers characterize their classrooms as being more flexible than average. Many FT teachers also report that their classrooms have a lower than average emphasis on academic material. FT parents vary between the two sites in the extent to which they are involved in their children's education.

The performance of FT children in this model on the various measures of the outcome battery varies between the two sites. FT children in the Atlanta site tend to perform above FT children in the New York site. Moreover, in New York, FT children in Cohort III tend to do less well than FT children in Cohort II. FT children in the sites in this model tend to perform roughly comparably in the basic skills and cognitive conceptual skills domains; overall, 4 percent of these measures have positive effects, and 71 and 83 percent, respectively, of these measures have null effects. In the affective domain, by comparison, 83 percent of these measures have null effects. Finally, FT children with Some Preschool experience perform better than expected on some measures, while those with No Preschool experience generally perform as well as expected.

# CHAPTER THIRTEEN

## LANGUAGE DEVELOPMENT (BILINGUAL EDUCATION) APPROACH (SEDL)

Southwest Educational Development Laboratory

### The Model

The Language Development (Bilingual Education) Approach (SEDL) stresses a developmental approach designed for the particular needs of children whose primary language is not English. Each SEDL classroom follows one of two distinct instructional patterns: the bilingual classroom where approximately three-quarters of the children are Spanish-speaking; and the English as a second language (ESL) classroom for children of Spanish, French, and Afro-American descent who may speak a dialect form of English. Both instructional forms assume that language is the child's main tool for dealing with the environment and acquiring cognitive and noncognitive skills, and many classroom activities are designed to promote language development. Dual language skills are stressed in most curriculum areas. Sponsor-developed instructional materials designed to help the child feel important are used to develop sensory, perceptual, reading, reasoning, and thinking skills. These SEDL materials utilized sequencing procedures aimed at developing a hierarchy of thinking processes, specific terminology, and symbols. In the bilingual classroom model, the English-speaking children learn Spanish and the Spanish-speakers learn English. In the English as a second language model, the children who speak an English dialect learn standard American English. These two models assume two basic SEDL premises which are embodied in their materials: (1) that learning in a second language is easier for the child who has first learned to conceptualize in his native language and (2) that positive emphasis on the child's native language and culture is essential to the development of a positive self-image and cognitive development.

The focus and emphasis of the SEDL model change from year to year as children become more acquainted with the languages and cultures of their peers. In kindergarten, the focus is on developing the children's motor, visual, and auditory skills while they learn the syntax of English. In first grade the goal is to develop the children's oral language and reading proficiency (both in their first language and in English when appropriate, e.g. the bilingual classroom). The cultural component, which includes experiences within the family, is also included in the first grade curriculum. In the second grade, the emphasis on language and reading proficiency is continued, and the cultural component is extended to other families in the community. By third grade, the cultural component focuses on many cultures and many communities.

SEDL teachers and aides serve as language models for the children. SEDL aims to prepare teachers to convey a respect for the student's native language and culture and to become good language teachers. This sponsor recommends assignment of a bilingual or bidialectic teacher and/or teachers' assistants (usually FT parents) to each classroom.

SEDL emphasizes parent involvement primarily in relation to the instructional component. Through orientation meetings and training workshops, SEDL seeks to foster positive understanding and activities both between and within the home and the school. SEDL suggests that PAC involvement and parent participation (i.e., bringing parents into the classroom to observe and assist ) should be encouraged in order to stimulate the process of interaction among the home, the school, and the community. Until 1973-74, little emphasis was placed on parent involvement beyond the kindergarten year.* In general, this model stresses oral language skills in most curriculum areas and uses materials that are especially designed to help children feel important while developing both basic and cognitive conceptual skills such as sensory and perceptual skills, reading skills, and reasoning and thinking skills.

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* The sponsor comments that "...in 1973-74, SEDL began the development and implementation of a Parent Involvement component to accompany its Grades 1-3 instructional and staff development components." Kronkosky, P.C., communication to Mary M. Kennedy, U.S. Office of Education, February 27, 1976.

## The SEDL Model as Realized in Follow Through

The SEDL model is evaluated in five sites: Philadelphia, PA; Los Angeles, CA; Tulare (combined with Cutler-Orisi), CA; St. Martin Parish, LA; and San Diego, TX. The SEDL sponsored sites are represented in the kindergarten streams of Cohort III and Cohort II.

### Sample Description

As indicated in Figures 13-1 and 13-2 SEDL's site groups are among the most disadvantaged in Follow Through in terms of socioeconomic status and have the greatest concentrations of ethnic-linguistic minoities. In Tulare, the NFT group includes substantially fewer minorities. In Tulare, (Cohort II), St. Martin Parish (Cohort II) and San Diego, moreover, the FT groups are more disadvantaged than their local NFT comparisons in terms of socioeconomic characteristics. The Tulare NFT groups have fewer ethnic-linguistic minorities than the FT groups.

### Teachers' Perceptions of the Model

The SEDL philosophy and approach is designed to teach children whose primary language is not English. Teachers and teachers - aides serve as language role models for the children. Thus as indicated in Table 13-1 we are not surprised to find that FT teachers in SEDL sponsored sites are either average, or in the case of Tulare, above average in their emphasis on flexibility within the classroom. With some exceptions, FT teachers are also either average or above average in their reported degree of teacher-centeredness and in their focus on individualization. FT teachers vary among sites (and within sites, between cohorts) in their degree of academic versus socio-emotional emphasis. FT teachers in three sites -- Philadelphia, Tulare and St. Martin Parish -- report above average satisfaction with the sponsor; FT teachers in the other two sites -- Los Angeles and San Diego -- report average satisfaction with the sponsor.

### Parents' Perceptions of the Model

The emphasis of SEDL would not lead us to expect particularly high levels of parent involvement. As indicated in Table 13-1, FT parents of third grade children in Cohort III-K in Los Angeles, Tulare and San Diego report above average parent activities. FT parents in

Figure 13-1
RANKINGS ON THE SOCIOECONOMIC DISCREPANCY INDEX FOR SEDL SITES

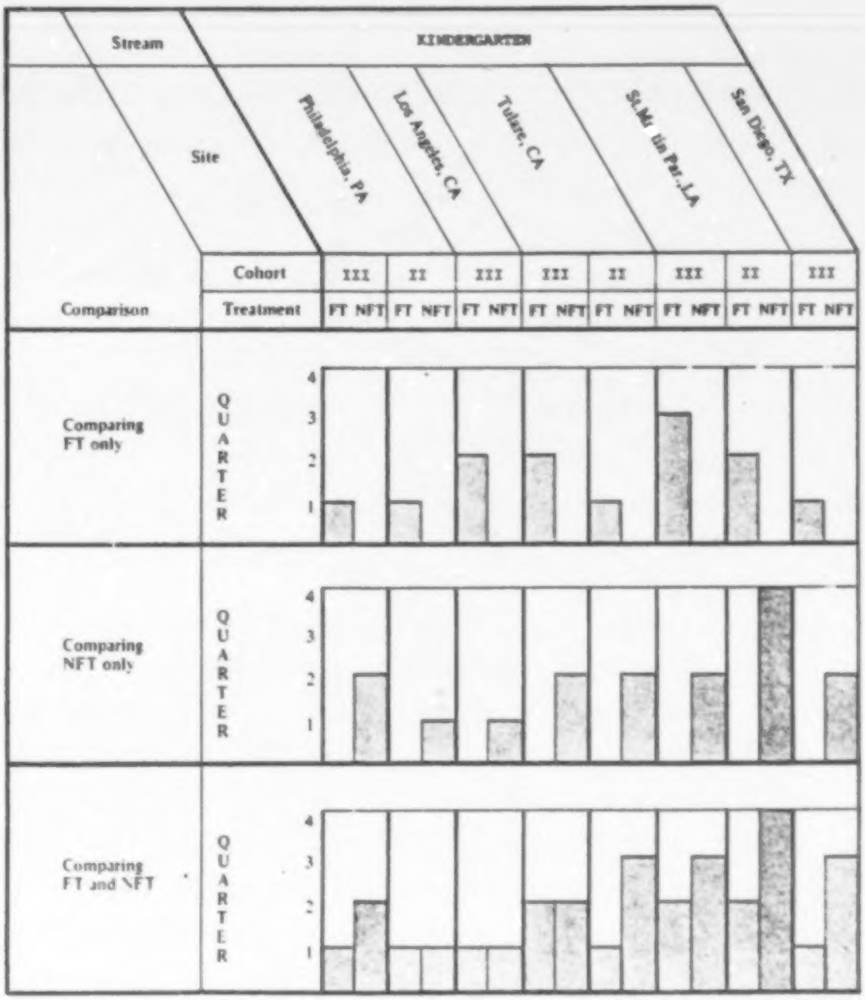
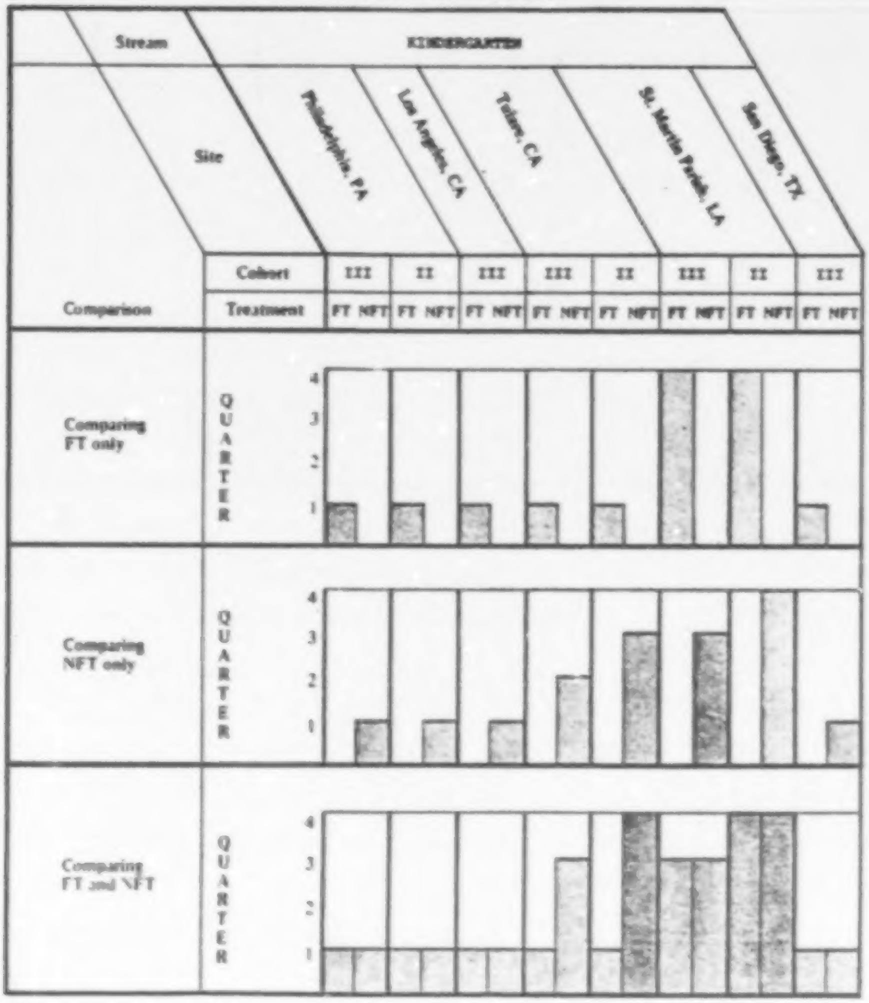


Figure 13-2
RANKINGS ON ETHNIC-LINGUISTIC INDEX
FOR SEDL SITES



## Table 13-1
## SELECTED STANDARDIZED SCORES* FOR TEACHER CLUSTERS AND PARENT FACTORS FOR SEDL SITES

| Stream | KINDERGARTEN | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Site | Philadelphia, PA | | Los Angeles, CA | Tulare, CA | | St. Martin Par., LA | | San Diego, TX |
| Cohort | III | II | III | III | II | III | II | III |
| **TEACHER CLUSTERS** | | | | | | | | |
| Teacher Centered | 54.4 | | | | | 56.7 | | 46.4 |
| Flexible Classroom | | | | 58.1 | 54.8 | | | |
| Individualization | | 44.1 | 60.0 | | 54.1 | 58.6 | 62.1 | |
| Academic (vs. Emotional) Emphasis | 44.7 | 46.6 | | 46.9 | | 46.2 | 54.6 | 52.5 |
| Satisfaction with Sponsor | 52.8 | 52.9 | | 57.1 | 54.6 | 62.3 | 52.6 | |
| Range of N's | 5-6 | 5-6 | 16 | 9 | 10-11 | 5 | 7 | 5 |
| **PARENT FACTORS** | | | | | | | | |
| **School Impact on Child** | | | | | | | | |
| School Helped Child | 53.5 | 45.7 | | | | 53.4 | | 46.4 |
| Child's Progress in School | | | | 53.8 | | 47.0 | | 46.9 |
| Child's Emotional Adjustment | | 45.8 | 55.8 | | | 53.1 | | |
| School Helped with Child | 56.2 | 46.8 | | | | 53.6 | | 54.9 |
| School's Receptivity | 41.8 | 44.2 | | 53.7 | | 45.1 | | |
| **Parent Activity** | | | | | | | | |
| Talks with Teacher | 47.5 | | | | 54.7 | | | 45.7 |
| PAC Involvement | 47.4 | | 60.5 | 60.4 | | | | 52.6 |
| Parent Visits to School | 47.1 | | 54.4 | 56.4 | | | | |
| School Helped Personally | | | 54.1 | 52.5 | | 53.6 | | 53.0 |
| **Parent Child Interaction** | | | | | | | | |
| Child Read to at Home** | 45.2 | | 55.0 | 46.6 | | | | |
| Child Reads at Home** | 42.7 | | | | | 44.0 | | 46.6 |
| Parent Child Interaction | ▨ 45.8 | | ▨ 47.5 | ▨ 45.7 | 44.0 | ▨ 46.6 | | ▨ [illegible] |
| **Parent Locus** | | | | | | | | |
| Parent Locus | 54.7 | | 53.6 | | | | | 59.6 |
| Range of N's | 15 | 15-32 | 32-37 | 38 | 21-32 | 29-32 | | 23-24 |

Notes: ▨ Untrustworthy: reliability less than .40.

*All teacher and parent attitudes are standardized with a mean of 50 and a standard deviation of 10. Only scores which are based upon four or more responses and deviate from the mean by one-quarter of a standard deviation or more appear on this table.

**Parent factors for Child Read to at Home and Child Reads at home were not calculated for the Cohort II Kindergarten stream.

Philadelphia (Cohort III-K), on the other hand, are below average on this factor. Similarly, FT parents vary among sites and between cohorts in their assessments of the school's impact on their children. Finally, SEDL FT parents report average or above-average levels of their sense of control.

## Effects on Children

SEDL develops instructional programs for disadvantaged children whose native language is other than standard English. Thus we might expect that FT children in SEDL sponsored sites will perform above expectations based on comparison children on most of the basic skills and cognitive conceptual skills tests of the outcome battery. We have assessed the effects of this model in four ways.

### Entry-Exit Effects*

The performance of FT children on basic skills and cognitive conceptual skills measures varies among sites. In particular, FT children in Tulare** in Cohort III-K, perform above expectations on most of the basic skills tests, and on many of the cognitive conceptual skills tests. As indicated in Table 13-2, in Philadelphia, Los Angeles, St Martin Parish and San Diego, FT children perform only as well as expected on most of the cognitive conceptual skills tests, and FT children in these sites vary considerably on the basic skills measures.

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* Certain effects in the Summary of Effects table for this model have been shaded, indicating that we have some concern about the validity of the FT/NFT comparison. A shaded column indicates an FT/NFT difference of 50 percent or more with preschool experience. (None will occur in Cohort III-K sites, due to preschool adjusted analyses.) Shading of specific outcomes within a column indicates an adjustment of more than one-half standard deviation of the outcome measure. The potential problems associated with such FT/NFT differences are discussed in Chapter Four of Volume IV-A. The shaded effects are therefore presented but not discussed. Although both criteria are applied to every outcome in each site, the shading for preschool differences takes precedence over shading for size of adjustment.

** Effects reported for Tulare are the combined effects for Tulare and Cutler-Orisi. There are no important differences between the effects of each district, analyzed separately.

# Table 13-2
## SUMMARY OF EFFECTS FOR SEDL SITES

| Domain | Stream | KINDERGARTEN | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Site | Philadelphia, PA | | | | Los Angeles, CA | | Tulare, CA | | | | St.Martin Par.,LA | | | | San Diego, TX | |
| | Cohort | III | | II | | III | | III | | II | | III | | II | | III | |
| | Outcome Measure / Analytic Comparison | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled |
| BASIC SKILLS | Word Knowledge | - | - | | - | | □ | + | + | | - | | | ▨ | - | □ | - |
| | Spelling | - | - | | ▨ | | □ | + | + | | ▨ | | - | ▨ | ▨ | - | - |
| | Language | | | | | | ⊞ | ⊞ | + | | | | | ▨ | | | ⊞ |
| | Math Computations | | | | - | | ▨ | + | + | | ▨ | | | ▨ | ▨ | | + |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | □ | | | | | | | | - | | | ▨ | | | |
| | Reading | | | | | | | + | + | | | | | ▨ | | | ⊟ |
| | Math Concepts | | | ▨ | | | | + | ⊞ | ▨ | + | | | ▨ | + | | |
| | Math Problem Solving | | | | ▨ | | | | ⊞ | | - | | | ▨ | | | |
| AFFECTIVE MEASURES | Coopersmith | | | | ▨ | | | | ⊞ | | + | | | ▨ | + | | |
| | IARS (–) | | | | + | | □ | | | | | | | ▨ | | | ▨ |
| | IARS (+) | | □ | | ▨ | | ⊞ | | | | | | - | ▨ | | | |
| | Total Reading | | ⊟ | ▨ | - | | □ | + | + | ▨ | - | | | ▨ | - | | - |
| | Total Math | | | | ▨ | | | + | + | ▨ | - | | | ▨ | | | ⊞ |
| | Language Part A | | | ▨ | ▨ | | | | | ▨ | | | | ▨ | | | ⊞ |
| | Language Part B | | | | | | ⊞ | + | + | | ▨ | | | ▨ | - | | ⊞ |

| NATIONAL NORMS* | | Site FT Sample* | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Outcome Measures | MAT Sample | | | | | | | | |
| Reading | 20% | 75 | 74 | 45 | 35 | 53 | 60 | 75 | 54 |
| Math | 12% | 54 | 57 | 29 | 42 | 34 | 49 | 52 | 29 |
| Spelling | 22% | 63 | 64 | 42 | 40 | 50 | 59 | 64 | 45 |
| Language** | 14% | 77 | | 76 | 63 | | 73 | | 64 |

Notes:

* In terms of percentage of children performing one or more years below grade level.

** No national norms comparisons were made for Cohort II-K children on the Language subtest.

| | | | |
|---|---|---|---|
| + | FT-favoring effect | □ | Preschool Adjustment changes effect |
| - | NFT-favoring effect | ▨ | Untrustworthy effect |
| blank | Null effect | | |

### Figure 13-3
### SPONSOR LEVEL SUMMARY OF EFFECTS FOR SEDL

| Domain | Outcome Measure | Preschool Blocked Local Analysis: Head Start | Preschool Blocked Local Analysis: Some Preschool | Preschool Blocked Local Analysis: No Preschool | Preschool Blocked Pooled Analysis: Head Start | Preschool Blocked Pooled Analysis: Some Preschool | Preschool Blocked Pooled Analysis: No Preschool |
|---|---|---|---|---|---|---|---|
| BASIC SKILLS | Word Knowledge | | | | − | | |
| | Spelling | | | − | − | | |
| | Language | | | | | + | |
| | Math Computations | | | + | + | | + |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | | | | | |
| | Reading | | | | | + | |
| | Math Concepts | | | | | | + |
| | Math Problem Solving | | | | | + | |
| AFFECTIVE MEASURES | Coopersmith | | | | | | |
| | IARS (−) | | | | − | | |
| | IARS (+) | | | | | | |
| | Total Reading | | | | | + | |
| | Total Math | | | | | | + |
| | Language Part A | | | | | | |
| | Language Part B | | | | − | + | |

Notes:
+ FT-favoring effect
− NFT-favoring effect
blank Null effect
▨ Sample size of less than 30 children

FT children in Cohort II-K generally perform similarly to FT children in Cohort III-K in Philadelphia and St. Martin Parish on the basic skills and cognitive conceptual skills tests. But in Tulare, Cohort II-K FT children generally perform less well than Cohort III-K FT children.

FT children in Cohort III-K in all five sites generally perform as well as expected on the three affective measures. Notable exceptions are the pooled analyses in Los Angeles and Tulare (where FT children perform above expectations on one of the affective measures) and in St. Martin Parish (where the FT group performs below expectations on one of the affective measures). FT children in Cohort II-K perform roughly comparably on the affective measures.

### National Norms Comparisons

As indicated at the bottom of Table 13-2, in all sites in this model, a larger-than-expected proportion* of FT children perform at least one year below grade level (the criterion of educational disadvantage.**)

### Effects by Type of Preschool Experience

The impact of the SEDL model varies somewhat between FT children with Head Start, Some Preschool and No Preschool experience. However, our assessment of the effects of the SEDL model by FT children's prior preschool experiences also varies between the local and the pooled analysis.

### Longitudinal Effects

As discussed in Volume IV-D, the FT and NFT analytic comparison groups included in the longitudinal analysis are not comparable. Thus we do not have confidence in our longitudinal findings and shall not report them here.

## Summary

The Language Development (Bilingual Education) Approach is designed for children whose primary language is not English. The model stresses oral language skills in most curriculum areas, initially in the children's mother tongues. The model then gradually introduces instruction in standard American English. FT teachers serve as language role models and thus do not characterize their classrooms in any special way in terms of teacher-centeredness, flexibility or individualization. Many FT parents report that they are less likely than parents in general to interact with their children at home. Otherwise, FT parents in this model vary among sites in the extent and degree of their involvement in their children's education.

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* The expected proportion of children performing at least one year below grade level is shown in the MAT sample column. The reader is cautioned; this expectation is based on the performance of a sample of _average_ children and therefore is a stringent external criterion.

** Section 417(a)(2) of the General Education Provisions Act provides that for the purpose of the Secretary of HEW's Annual Report the term "educationally disadvantaged refers to children who are achieving one or more years behind the achievement expected at the appropriate grade level for such children.

The performance of FT children in this model on the various measures of the outcome battery varies considerably among sites. Cross cohort comparisons also vary among sites. In general, FT children in this model perform as well on the cognitive conceptual skills tests as they do on the affective measures; overall, 12 percent of these measures have positive effects, and 82 and 86 percent respectively of these measures have null effects. FT children perform somewhat differently in the basic skills domain, where 20 percent of the effects are positive and 57 percent are null. Positive or null effects tend to be concentrated within particular sites. This implies that the SEDL program has a wide range of effects by site, ranging from 100 percent positive (in Tulare in the basic skills domain) to 50 percent negative (in Philadelphia, also in the basic skills domain).

FT children with different kinds of preschool experiences perform differently in this model. However, we are uncertain about the extent and direction of these differences as the local and pooled analyses yield contradictory results.

## CHAPTER FOURTEEN

## CULTURAL LINGUISTIC APPROACH (CLA)
Northeastern Illinois Unviersity

### The Model

The Cultural Linguistic Approach is designed specifically for children from varied cultural and ethnic backgrounds who are never viewed as "culturally disadvantage" or "culturally deprived". Based on the tenet that the most effective way to teach children is to build on the experiences and language which the children learn at home, the curriculum is designed to capitalize on the ideas and thoughts the children bring with them into the classroom. The model strongly emphasizes that the children are not to be manipulated by a traditional curriculum.

The primary focus of this approach is on the acquisition of basic skills. Through use of the USISPU learning sequence (defined below), CLA attempts to expand the existing communication and concept building skills of urban and rural children from excluded ethnic groups. Goals for children include mastery of speaking, reading, writing, and arithmetic, and development of skills for problem solving, cooperative interaction, and working independently. The children's cultural background is used as the basis for the expansion of skills and concepts which help them to understand, interpret, and change social phenomena.

Teachers in the CLA model are trained to use the sponsor-developed language elicitation sequence called USISPU. This teaching technique is a method for implementing the use of oral language in all curriculum areas. The six segment sequence is as follows: the unstructured episode (U) to elicit the child's response to a concept, the structured episode (S) to determine the child's response in a specific instance, the interim lesson (I) for the teacher to provide additional information about the concept, the structured session (S) to determine what the child learned from the interim lessons, the practice session (P) to expand on the understanding of the concepts and the unstructured elicitation (U) to determine how well the concept is understood and whether the child can effectively express it. Working with large and small groups, teachers help children gain understanding of subject matter in small units of learning.

Although the CLA model does not have an explicit parent component, parent involvement is highly encouraged and supported. Parents may become involved in the CLA classroom as teacher aides, volunteers and observers. In general, this model uses a moderatly structured approach to develop basic and cognitive conceptual skills.

## The Cultural Linguistic Approach as Realized in Follow Through

The CLA model is evaluated in two sites: Chicago, IL; Topeka, KA. Both sites are only represented in the kindergarten stream of Cohort III.

### Sample Description

CLA's FT group in Chicago is among the Follow Through groups of lowest socioeconomic status and includes a fairly high concentration of ethnic-linguistic minorities (see Figures 14-1 and 14-2). The Topeka site is less disadvantaged but has more minorities; Topeka's NFT group is less disadvantaged than its FT group in both ways.

### Teachers' Perceptions of the Model

The CLA model trains teachers to elicit and sequence language responses from their pupils. Teachers work in large or small groups as they deem appropriate. We find in Table 14-2 that FT teachers in Chicago report an above average degree of individualization and satisfaction with the sponsor.

### Parents' Perceptions of the Model

Judging by the four parent factors in Table 14-2, FT parents in these sites report being quite involved in their children's education. In particular, FT parents in both sites are above the average for all FT and NFT parents on three of the five scales of the School Impact on

Figure 14-1
RANKINGS ON THE SOCIOECONOMIC DISCREPANCY INDEX FOR CLA SITES

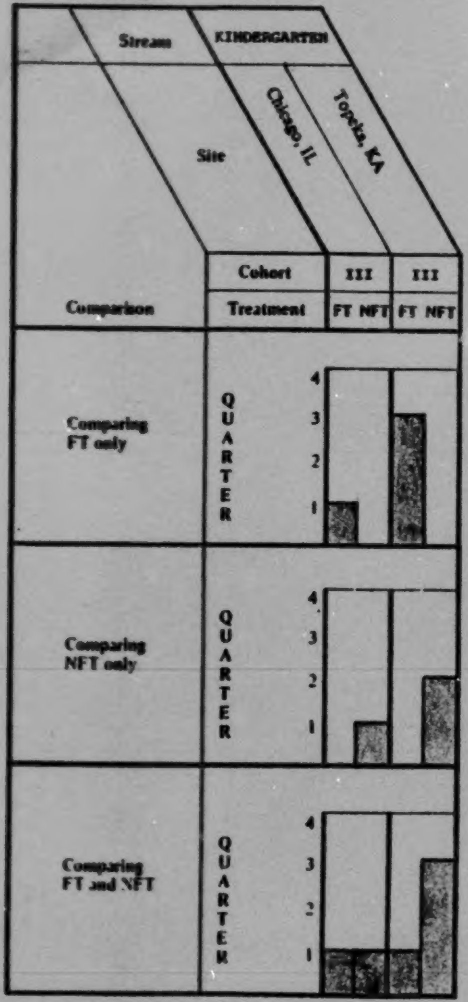
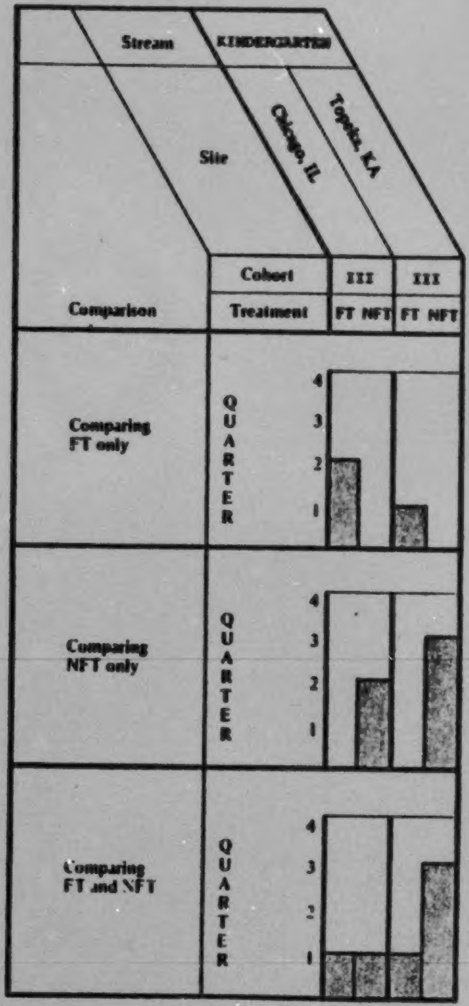


Figure 14-2
RANKINGS ON ETHNIC-LINGUISTIC INDEX FOR CLA SITES



Child factor, and on at least three of the four scales of the Parent Activity factor. FT parents in both sites are also above average on the Parent Locus factor.

## Effects on Children

CLA emphasizes the acquisition of basic skills through the development of language. Thus, FT children in CLA-sponsored sites may perform above the expectation set by comparison children on the basic skills tests in the national evaluation. We find in Table 14-2, however, that the performance of FT children on basic skills tests -- and on other areas of the outcome battery -- varies between the two sites. Our assessment of FT children's performance also depends on the analytic strategy used. We have assessed the effects of this model in three ways.

### Entry-Exit Effects

Judged by the local analysis, FT children in Chicago perform above expectations on two of the four basic skills tests. Judged by the pooled analysis they also perform better than expected on one of the basic skills tests. However, judged by the pooled analysis, FT children in Topeka perform below expectations on two of the four basic skills tests; judged by the local analysis, FT children perform below expectations on one of the basic skills tests.

Similarly, judged by either analysis, FT children in Chicago do as well as expected on all cognitive conceptual skills tests. But the pooled analysis indicates that FT children in Topeka perform below expectations on two of the cognitive conceptual skills tests; the local analysis indicates that FT children here perform below expcetations on one of the four tests. On the affective measures, FT children in Chicago do as well as expected; judged by the pooled analysis, FT children in Topeka perform below expectations on two of these measures.

## Table 14-1
## SELECTED STANDARDIZED SCORES* FOR TEACHER CLUSTERS AND PARENT FACTORS FOR CLA SITES

| Stream | K*** | |
|---|---|---|
| Site | Chicago, IL | Topeka, KA |
| Cohort | III | III |
| **TEACHER CLUSTERS** | | |
| Teacher Centered | | - - |
| Flexible Classroom | | - - |
| Individualization | 53.1 | - - |
| Academic (vs. Emotional) Emphasis | | - - |
| Satisfaction with Sponsor | 57.6 | - - |
| Range of N's | 9 | 2 |
| **PARENT FACTORS** | | |
| School Impact on Child | | |
| School Helped Child | 52.5 | 52.7 |
| Child's Progress in School | | 52.5 |
| Child's Emotional Adjustment | 54.7 | |
| School Helped with Child | 55.4 | 54.9 |
| School's Receptivity | | 45.7 |
| Parent Activity | | |
| Talks with Teacher | 53.2 | 54.1 |
| PAC Involvement | 55.7 | 55.0 |
| Parent Visits to School | 56.1 | |
| School Helped Personally | 52.7 | 57.7 |
| Parent Child Interaction | | |
| Child Read to at Home** | 53.0 | |
| Child Reads at Home** | | |
| Parent Child Interaction | 54.6 | 54.6 |
| Parent Locus | | |
| Parent Locus | 52.5 | 53.8 |
| Range of N's | 65–70 | 26 |

Notes: ▨ Untrustworthy: reliability less than .40.

*All teacher and parent attitudes are standardized with a mean of 50 and a standard deviation of 10. Only scores which are based upon four or more responses and deviate from the mean by one-quarter of a standard deviation or more appear on this table.

**Parent factors for Child Read to at Home and Child Reads at home were not calculated for the Cohort II' Kindergarten stream.

***K = Entering Kindergarten stream.

## Table 14-2
## SUMMARY OF EFFECTS FOR CLA SITES

| | Stream | KINDERGARTEN | | | |
|---|---|---|---|---|---|
| | Site | Chicago, IL | | Topeka, KA | |
| | Cohort | III | | III | |
| Domain | Outcome Measure / Analytic Comparison | Local | Pooled | Local | Pooled |
| BASIC SKILLS | Word Knowledge | | ☐ | | - |
| | Spelling | + | + | | |
| | Language | | | - | - |
| | Math Computations | + | ☐ | | ☐ |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | | | ☐ |
| | Reading | | | - | - |
| | Math Concepts | | ☐ | | |
| | Math Problem Solving | | | | ⊟ |
| AFFECTIVE MEASURES | Coopersmith | | | | |
| | IARS (–) | | ☐ | | - |
| | IARS (+) | | | | ⊟ |
| | Total Reading | | | ☐ | - |
| | Total Math | | ☐ | | |
| | Language Part A | ⊞ | ☐ | | ⊟ |
| | Language Part B | ☐ | ☐ | - | - |

| NATIONAL NORMS* | | Site FT Sample* | |
|---|---|---|---|
| Outcome Measures | MAT Sample | | |
| Reading | 20% | 43 | 31 |
| Math | 12% | 30 | 27 |
| Spelling | 22% | 30 | 23 |
| Language** | 14% | 80 | 77 |

Notes:

* In terms of percentage of children performing one or more years below grade level.
No national norms comparisons were made for Cohort II-K children on the Language subtest.

| | | | |
|---|---|---|---|
| + | FT-favoring effect | ☐ | Preschool Adjustment changes effect |
| - | NFT-favoring effect | ▨ | Untrustworthy effect |
| blank | Null effect | | |

### National Norm Comparisons

As indicated at the bottom of Table 14-2, in all sites in this model, a larger-than-expected proportion* of FT children perform at least one year below grade level (the criterion of educational disadvantage**).

### Effects by Type of Preschool Experience

The effects of CLA on FT Head Start graduates varies somewhat between analytic strategies. Judged by the pooled analysis, these FT children perform below expectations on one of the basic skills tests and on three of the cognitive conceptual skills tests; judged by the local analysis, these FT children perform as well as expected on all tests and measures in the basic skills, cognitive conceptual skills and affective domains.

We do not have a sufficient number of cases in the Some Preschool experience and No Preschool experience groups to determine the effects of this model on these types of FT children.

### Longitudinal Effects

We do not have a sufficient number of children in CLA at three points in time to analyze their relative progress from kindergarten to first grade and from second to third grade.

## Summary

The Cultural Linguistic Approach is designed specifically for children from varied cultural and ethnic backgrounds. These children are never viewed as "culturally disadvantaged" or "culturally deprived". The model seeks to build on the experiences and language which children learn at home, by captializing on the ideas and thoughts that they bring with them into the classroom. FT parents report being quite involved in their children's education.

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* The expected proportion of children performing at least one year below grade level is shown in the MAT sample column. The reader is cautioned; this expectation is based on the performance of a sample of average children and therefore is a stringent external criterion.

** Section 417 (a)(2) of the General Education Provisions Act provides that for the purpose of the Secretary of HEW's Annual Report the term "educationally disadvantaged children" refers to children who are achieving one or more years behind the achievement expected at the appropriate grade level for such children.

The performance of FT children in this model on the various measures of the outcome battery varies notably among sites. In general, FT children in this model perform better on the basic skills tests -- where 19 percent of the effects are positive and 63 percent are null -- than they do on the cognitive conceptual skills tests and affective measures -- where about 82 percent of the observed effects are null. Moreover, these positive effects on the basic skills tests are concentrated in one of the sites -- Chicago.

Figure 14-3
SPONSOR LEVEL SUMMARY OF EFFECTS FOR CLA

| Domain | Analysis / Preschool Experience / Outcome Measure | Preschool Blocked Local Analysis |  |  | Preschool Blocked Pooled Analysis |  |  |
|---|---|---|---|---|---|---|---|
|  |  | Head Start | Some Preschool | No Preschool | Head Start | Some Preschool | No Preschool |
| BASIC SKILLS | Word Knowledge |  | ▨ | ▨ |  | ▨ | ▨ |
|  | Spelling |  | ▨ | ▨ + |  | ▨ | ▨ + |
|  | Language |  | ▨ | ▨ | – | ▨ | ▨ |
|  | Math Computations |  | ▨ + | ▨ + |  | ▨ + | ▨ + |
| COGNITIVE CONCEPTUAL SKILLS | Raven's |  | ▨ | ▨ |  | ▨ + | ▨ |
|  | Reading |  | ▨ | ▨ | – | ▨ | ▨ |
|  | Math Concepts |  | ▨ + | ▨ + | – | ▨ + | ▨ + |
|  | Math Problem Solving |  | ▨ | ▨ | – | ▨ + | ▨ |
| AFFECTIVE MEASURES | Coopersmith |  | ▨ | ▨ |  | ▨ | ▨ |
|  | IARS (–) |  | ▨ | ▨ |  | ▨ | ▨ |
|  | IARS (+) |  | ▨ | ▨ |  | ▨ | ▨ |
|  | Total Reading |  | ▨ | ▨ |  | ▨ | ▨ |
|  | Total Math |  | ▨ + | ▨ + |  | ▨ + | ▨ + |
|  | Language Part A |  | ▨ | ▨ |  | ▨ | ▨ |
|  | Language Part B | – | ▨ | ▨ | – | ▨ | ▨ |

Notes:
+ FT-favoring effect
– NFT-favoring effect
blank Null effect
▨ Sample size of less than 30 children

# CHAPTER FIFTEEN

## HOME-SCHOOL PARTNERSHIP MODEL

Clark College

### The Model

The Home-School Partnership Model emphasizes improvement of parenting as a vehicle for helping children. The sponsor encourages participation in adult education classes and trains parents to teach their children at home. Parents contribute to the planning, testing, and evaluation of the program.

Basic to this model is the theory that learning problems stem as much from home and community as from child and school. The sponsor holds that a team approach to the child's learning experience, combining school, community, and parental participation, can foster self-esteem and motivate the entire family to enhance the child's education. Through their own growth and commitment, parents will become influential in improving their child's learning capacity. Thus, the Home-School Partnership Model seeks to motivate children to learn by bringing the positive forces of their own home environment to bear on their education.

This model makes use of parents, who, as home teachers, serve as assistants in the classroom and make monthly visits to other parents to train them to teach their children at home, and, as "parent interviewers" to provide social service aid to parents. (Other parents also participate in planning, testing, and evaluating the program.) Classroom and home teachers spend approximately one-half hour each day together planning instructional tasks which include small-group activities in math and reading, activities for children in the interest centers, and preparation of materials for home instruction which utilize common, available and familiar objects. Program parents are also encouraged (frequently by the home teacher or by parent interviewers) to enroll in both the Adult Education Program and the family-centered Cultural and Extracurricular

Program. The model prescribes that space be provided in the school building for these purposes. Community leaders, area colleges, and community agencies are asked to contribute to the Home-School Partnership Model. By promoting self-improvement of the parents, the sponsor intends to extend their experiential backgrounds and to recruit them as active directors of their children's education.*

## The Home-School Partnership Model as Realized in Follow Through

The Home-School Partnership Model is evaluated in one site: New York, NY. This site is represented in the kindergarten streams of both Cohort II and Cohort III.

### Sample Description

As indicated in Figure 15-1 the socioeconomic status of the Home-School Partnership FT groups is near average for Follow Through groups. As indicated in Figure 15-2 both groups includes significant concentrations of ethnic-linguistic minorities. The NFT groups are reasonably comparable to their FT groups.

### Teachers' Perceptions of the Model

We only have responses from two teachers in each cohort for this model. This is insufficient information to determine teachers' perceptions of the model.

### Parents' Perceptions of the Model

This model's major emphasis is on working with parents to promote their self-improvement and thus to encourage them to become more actively involved in their children's education. As indicated in Table 15-1 in Cohort III-K, FT parents report above average degree of interactions on the Parent-Child interaction factor. Cohort II-K parents are

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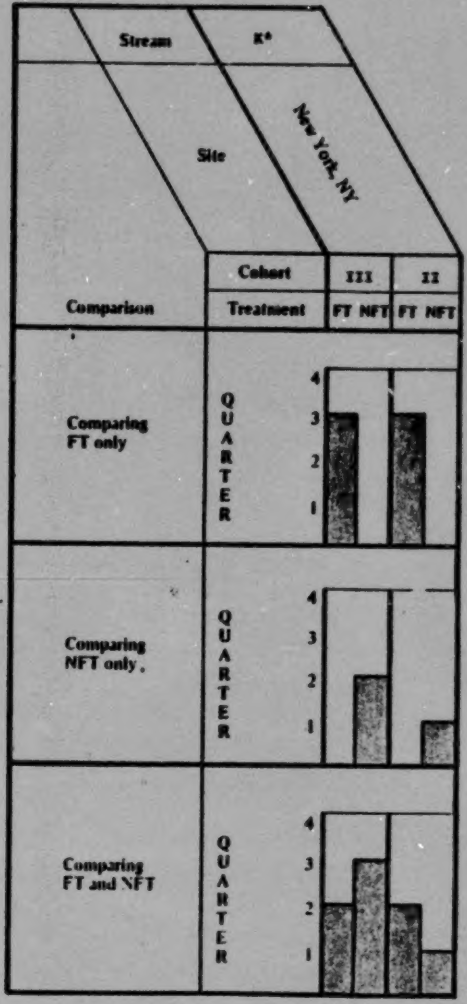
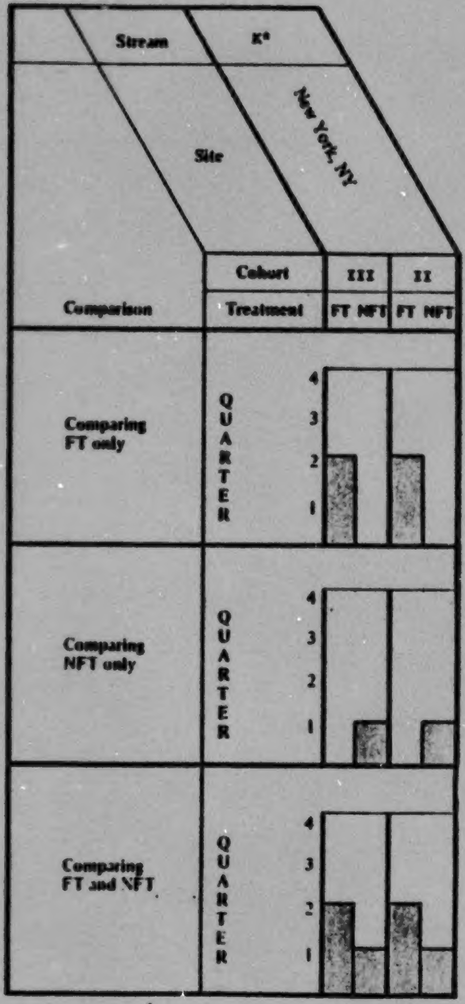
*In a recent communication concerning this description, the Sponsor comments: "Nowhere do we find any consideration given to the fact that the sole instructional model in use at Public School 133 from September, 1968 through September, 1975 was the Gettegno Model (Words in Color), nor do we find any recognition of the fact that the Gettegno Model develops skills in a manner that is not easily transferred. Children who are subjected to this approach generally do not show rapid score increments on standardized tests such as the MAT." (Johnson, E.E.: Communication to Mary M. Kennedy, U. S. Office of Education, February 20, 1976).

**Figure 15-1**
**RANKINGS ON THE SOCIOECONOMIC DISCREPANCY INDEX FOR HOME-SCHOOL PARTNERSHIP SITES**



* K = Entering Kindergarten Stream.

**Figure 15-2**
**RANKINGS ON ETHNIC-LINGUISTIC INDEX FOR HOME-SCHOOL PARTNERSHIP SITES**



* K = Entering Kindergarten Stream.

## Table 15-1
## SELECTED STANDARDIZED SCORES* FOR TEACHER CLUSTERS AND PARENT FACTORS FOR HOME-SCHOOL PARTNERSHIP

| Stream | K*** | |
|---|---|---|
| Site | New York, NY | |
| Cohort | III | II |
| **TEACHER CLUSTERS** | | |
| Teacher Centered | - - | - - |
| Flexible Classroom | - - | - - |
| Individualization | - - | - - |
| Academic (vs. Emotional) Emphasis | - - | |
| Satisfaction with Sponsor | - - | - - |
| Range of N's | 2 | 2 |
| **PARENT FACTORS** | | |
| School Impact on Child | | |
| School Helped Child | 54.4 | 45.8 |
| Child's Progress in School | | 47.3 |
| Child's Emotional Adjustment | | 47.1 |
| School Helped with Child | 52.7 | |
| School's Receptivity | | 52.8 |
| Parent Activity | | |
| Talks with Teacher | | |
| PAC Involvement | | |
| Parent Visits to School | 53.4 | |
| School Helped Personally | | |
| Parent Child Interaction | | |
| Child Read to at Home** | 53.1 | |
| Child Reads at Home** | 52.7 | |
| Parent Child Interaction | ▨ [illegible] | |
| Parent Locus | | |
| Parent Locus | 57.0 | |
| Range of N's | 18 | 17-22 |

Notes: ▨ Untrustworthy: reliability less than .40.

*All teacher and parent attitudes are standardized with a mean of 50 and a standard deviation of 10. Only scores which are based upon four or more responses and deviate from the mean by one-quarter of a standard deviation or more appear on this table.

**Parent factors for Child Read to at Home and Child Reads at home were not calculated for the Cohort II Kindergarten stream.

*** K = Entering Kindergarten stream.

## Table 15-2
## SUMMARY OF EFFECTS FOR HOME-SCHOOL PARTNERSHIP SITES

| | Stream | KINDERGARTEN | | | |
|---|---|---|---|---|---|
| | Site | New York, NY | | | |
| | Cohort | III | | II | |
| Domain | Outcome Measure / Analytic Comparison | Local | Pooled | Local | Pooled |
| BASIC SKILLS | Word Knowledge | | | - | - |
| | Spelling | | | - | - |
| | Language | | ⊟ | - | - |
| | Math Computations | | | - | |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | - | | - |
| | Reading | | | - | - |
| | Math Concepts | | | - | ▨ - |
| | Math Problem Solving | | | - | |
| AFFECTIVE MEASURES | Coopersmith | | | | |
| | IARS (-) | | | | |
| | IARS (+) | | | ▨ | |
| | Total Reading | | | - | - |
| | Total Math | | | - | - |
| | Language Part A | | | - | - |
| | Language Part B | | ⊟ | - | - |

| NATIONAL NORMS* | | Site FT Sample* | |
|---|---|---|---|
| Outcome Measures | MAT Sample | | |
| Reading | 20% | 34 | 50 |
| Math | 12% | 28 | 31 |
| Spelling | 22% | 28 | 42 |
| Language** | 14% | 66 | |

Notes:

* In terms of percentage of children performing one or more years below grade level.

** No national norms comparisons were made for Cohort II-K children on the Language subtest.

| | | | |
|---|---|---|---|
| + | FT-favoring effect | ☐ | Preschool Adjustment changes effect |
| - | NFT-favoring effect | ▨ | Untrustworthy effect |
| blank | Null effect | | |

only average on the Parent-Child interaction factor. However, FT parents in both cohorts only report an average degree of activity on most scales of the Parent Activity Factor. And FT parents vary between cohorts in their assessment of the school's impact on the child. FT parents in Cohort III-K are above the average for all FT and NFT parents on the Parent Locus Factor; FT parents in Cohort II-K are average.

## Effects on Children

The major emphasis of the Home-School Partnership Model is on working with parents. In general, it appears that the model focuses on the children's develping both basic and cognitive conceptual skills.

### Entry-Exit Effects*

As indicated in Table 15-2 in Cohort III-K, FT children generally perform as well as expected on the basis of the comparison children on the various instruments in the outcome battery. FT children in Cohort II-K, performed below expectations on most of the basic skills tests, and on most of the cognitive conceptual skills tests. However, they perform as well as expected on the affective measures.

### National Norms Comparison

As indicated at the bottom of Table 15-2, in all sites in this model, a larger-than-expected proportion** of FT children perform at least one year below grade level (the criterion of educational disadvantage***).

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* Certain effects in the Summary of Effects table for this model have been shaded, indicating that we have smoe concern about the validity of the FT/NFT comparison. Shading of specific outcomes within a column indicates an adjustment of more than one-half standard deviation of the outcome measure. The potential problems associated with such FT/NFT differences are discussed in Chapter Four of Volumne IV-A. The shaded effects are therefore presented but not discussed.

** The expected proportion of children performing at least one year below grade level is shown in the MAT sample column. The reader is cautioned; this expectation is based on the performance of a sample of average children and therefore is a stringent external criterion.

*** Section 417 (a)(2) of the General Education Provisions Act provides that for the purpose of the Secretary of HEW's Annual Report the term "educationally disadvantaged children" refers to children who are achieving one or more years behind the achievement expected at the appropriate grade level for such children.

## Effects by Type of Preschool Experience

Insurricient number of cases in any of the preschool groups were available to assess the impact of this sponsor on FT children with different kinds of preschool experiences.

Figure 15-3
SPONSOR LEVEL SUMMARY OF EFFECTS
FOR HOME-SCHOOL PARTNERSHIP

| Domain | Analysis<br>Preschool Experience<br>Outcome Measure | Preschool Blocked Local Analysis | | | Preschool Blocked Pooled Analysis | | |
|---|---|---|---|---|---|---|---|
| | | Head Start | Some Preschool | No Preschool | Head Start | Some Preschool | No Preschool |
| BASIC SKILLS | Word Knowledge<br>Spelling<br>Language<br>Math Computations | ▨ | ▨ | ▨ | ▨ | ▨ | ▨ |
| COGNITIVE CONCEPTUAL SKILLS | Raven's<br>Reading<br>Math Concepts<br>Math Problem Solving | ▨ | ▨ | ▨ | ▨ | ▨ | ▨ |
| AFFECTIVE MEASURES | Coopersmith<br>IARS (−)<br>IARS (+) | ▨ | ▨ | ▨ | ▨ | ▨ | ▨ |
| | Total Reading<br>Total Math<br>Language Part A<br>Language Part B | ▨ | ▨ | ▨ | ▨ | ▨ | ▨ |

Notes:
+ FT-favoring effect
− NFT-favoring effect
blank Null effect
▨ Sample size of less than 30 children

## Longitudinal Effects

We do not have sufficient number of children in the Home School Partnership Model at three points in time to permit an analysis of their relative progress from kindergarten to first grade, and from second to third grade.

## Summary

The Home School Partnership Model emphasizes improvement of parenting as a vehicle for helping children. Through a team approach, combining school, community and parent participation, this sponsor seeks to foster self-esteem and to motivate the entire family to enhance the child's education. Thus, the majority of FT parents in the one Cohort III-K site in this model report more interactions with their children than do FT and NFT parents in general.

The performance of FT children in the one site in this model on the various measures of the outcome battery varies considerably between cohorts. FT children in Cohort III-K perform substantially better than FT children in Cohort II-K in the basic skills domain and the cognitive conceptual skills domain. In particular, in Cohort III-K, 87 percent of the measures in the basic skills domain and the cognitive conceptual skills domain have null effects; the remaining measures have negative effects. By comparison, in Cohort II-K, roughly 13 percent and 16 percent respectively of the measures in each domain have null effects and the remaining measures have negative effects. But FT children in both cohorts perform similarly on the affective measures; all of these measures have null effects.

# CHAPTER SIXTEEN

## CALIFORNIA PROCESS MODEL

California State Department of Education
Division of Compensatory Education

### The Model

The California Process Model is designed to supplement rather than modify existing elementary school programs in local communities: each individual community develops its own educational strategy, with the assistance of the California State Department of Education. As a general philosophy, the programs in various communities adapt to the local needs of different cultural groups. Essentially a diagnostic/prescriptive instructional approach, the California Process programs also include strong emphasis on the home-school-community partnership as necessary to the intellectual, social and physical development of the child.

Local development teams -- composed of parents, teachers, paraprofessionals, administrators, sponsor representatives, and representatives of other segments of the community -- develop the objectives, methodologies, and materials to be used in their school district. These teams first analyze the needs of the children in their community, using standardized tests or adapting diagnostic tools to suit more adequately the local population. The teams next identify learning and behavioral objectives and finally prescribe appropriate field-developed curriculum materials for individualized study. The goal of the California Process Programs are for the Follow Through children to achieve the normal range and distribution of scores on standardized tests by the completion of third grade.

Teachers in the programs are encouraged to develop highly individualized teaching techniques. Individual diagnosis and prescription is the primary instructional methodology, and teachers are encouraged to arrange classrooms to accommodate individual and small-group instruction, including learning centers to provide activities for children at varying levels of ability. Although the sponsor does not insist upon particular curriculum materials, checklists of appropriate materials are available. While the sponsor has developed special materials to serve various minority populations (e.g., Black, Mexican American, Quechan Indians and urban and rural communities), the majority of the curriculum is developed by the local team and may be used as either the main course of study or as a curriculum supplement.

Parents and other community members are actively encouraged to become involved in planning, implementing, and evaluating the children's learning program. Through both home visits and small- and large-group meetings, parents are encouraged to learn more about classroom activities so that they can meet the needs of their children in daily activities in the home. Although many activities for parents center around production of materials for the classroom, others focus on opening communication between the program and the community, assisting parents personally through such means as organizing car pools and providing opportunities to exhibit their own craft and hobby work.

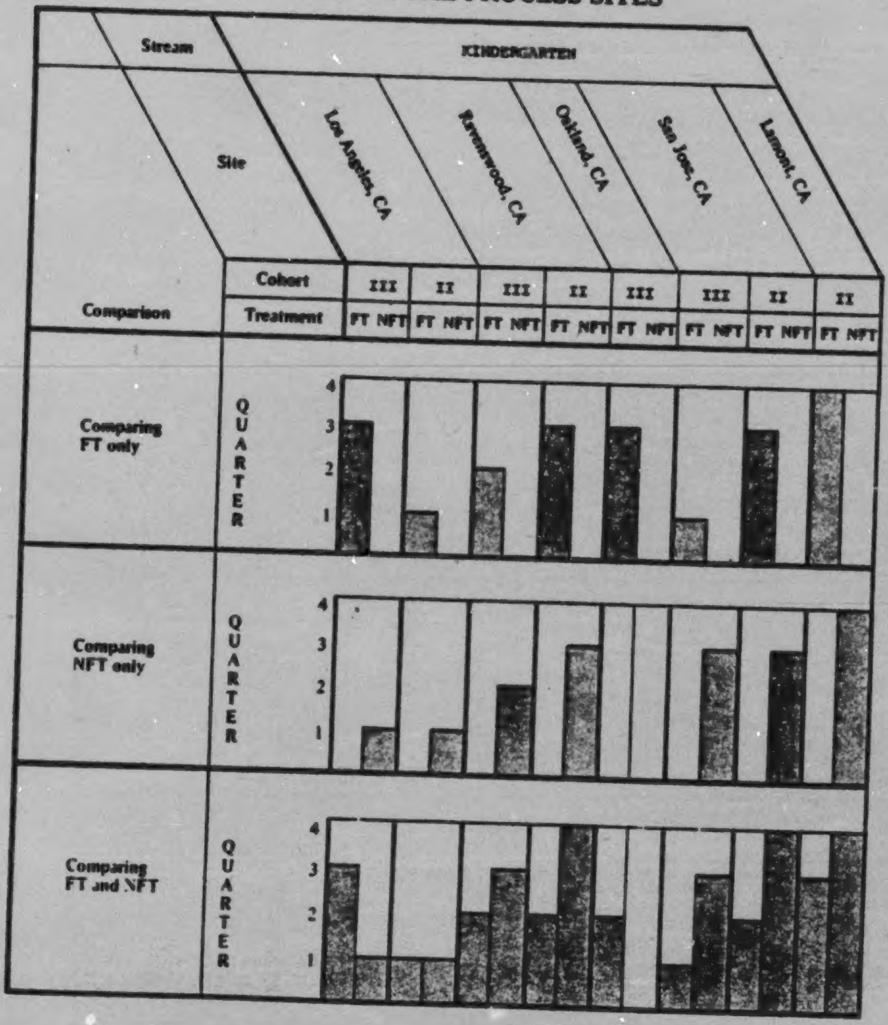
## The California Process Programs as Realized in Follow Through

The California Process programs are evaluated in five sites, all located in California -- Los Angeles, Ravenswood, Oakland, San Jose, and Lamont. These sites are included in the kindergarten streams of both Cohort II and Cohort III.

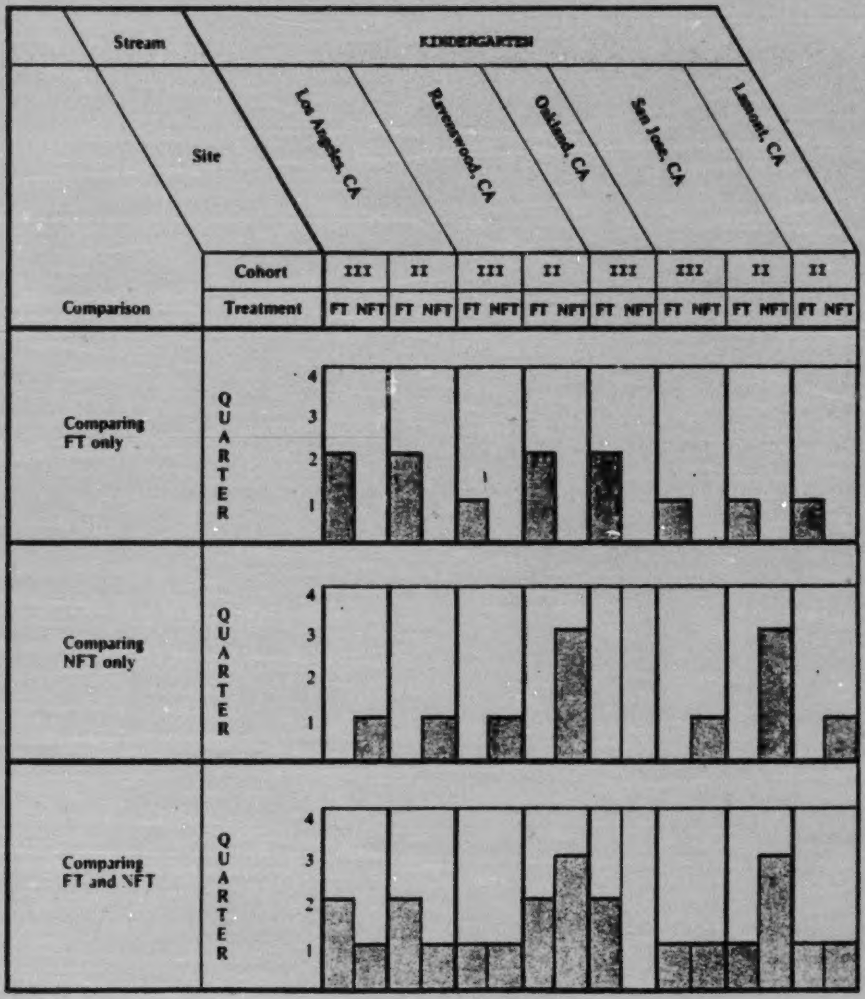
### Sample Description

As indicated in Figure 16-1 and 16-2, the California Process site groups are well distributed over the Follow Through range of socioeconomic status; each includes an above average concentration of ethnic-linguistic minorities. The FT and NFT groups have quite comparable minority concentrations, but in Ravenwood (Cohort II) and San Jose, the NFT comparison children are substantially less disadvantaged than FT. In the Los Angeles Cohort III site, on the other hand, the NFT group is more disadvantaged than the FT group. The Oakland site does not have an NFT group.

## Figure 16-1
## RANKINGS ON THE SOCIOECONOMIC DISCREPANCY INDEX FOR CAL PROCESS SITES



## Figure 16-2
## RANKINGS ON ETHNIC-LINGUISTIC INDEX FOR CAL PROCESS SITES



## Teachers' Perceptions of the Program

The California Process programs encourage teachers to develop individualized teaching techniques. However, as indicated in Table 16-1, the degree to which this goal has been achieved varies among sites. In particular, in Cohort III-K, FT teachers in Ravenswood are below the average for all FT and NFT teachers in their emphasis cn individualization. But FT teachers in San Jose are average and FT teachers in Los Angeles and Oakland are above the average for all FT and NFT teachers in terms of their emphasis on individualization. In Cohort II-K, FT teachers in all sites are either average or above average in their emphasis on individualization. Similarly, FT teachers vary from site to site in the extent to which they report their classrooms are teacher-centered, in the degree of flexibility within their classrooms, and in the extent of academic or emotional emphasis. FT teachers also vary among sites in their overall satisfaction with the sponsor.

## Parents' Perceptions of the Program

The California Process programs encourage parents to become actively involved in their children's education. Judging by parents' responses on the four scales of the Parent Activity factor, we find that FT parents in the California Process sponsored sites are on the whole as active as all FT and NFT parents in general. Of course, FT parents' responses vary slightly among sites. Parental responses to the various domains of the School Impact on Child factor and the Parent Child Interaction factor vary considerably among sites. We find similar patterns of responses -- notable variations among sites -- among FT parents in Cohort II-K as well. Parents' reported locus of control also varies among sites, and within some sites, between cohorts.

## Effect on Children

The California Process programs seek to have children achieve academically at grade level. Thus one might expect FT children in California Process sponsored sites would be particularly likely to perform expectations based on comparison children on the basic skills measures of the national evaluation. We have assessed the effects of this model in three ways.

## Table 16-1
## SELECTED STANDARDIZED SCORES* FOR TEACHER CLUSTERS AND PARENT FACTORS FOR CAL PROCESS SITES

| Stream | KINDERGARTEN | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Site | Los Angeles, CA | | Ravenswood, CA | | Oakland, CA | San Jose, CA | | Lamont, CA |
| Cohort | III | II | III | II | III | III | II | II |
| **TEACHER CLUSTERS** | | | | | | | | |
| Teacher Centered | 46.4 | 47.0 | - - | | 53.7 | | | 44.0 |
| Flexible Classroom | 60.1 | 57.9 | - - | 46.8 | 53.5 | 45.9 | 45.8 | 52.9 |
| Individualization | 62.0 | 56.0 | - - | 52.6 | 55.1 | | | 56.2 |
| Academic (vs. Emotional) Emphasis | | | - - | 59.9 | 56.1 | 43.0 | 45.3 | 44.4 |
| Satisfaction with Sponsor | 63.4 | 57.2 | | 46.7 | 59.5 | | | |
| Range of N's | 15 | 13-15 | 3 | 4 | 8-9 | 6 | 8 | 4-5 |
| **PARENT FACTORS** | | | | | | | | |
| **School Impact on Child** | | | | | | | | |
| School Helped Child | 54.2 | 53.2 | 43.8 | | | 52.6 | 53.1 | 46.5 |
| Child's Progress in School | 57.6 | 54.9 | 45.3 | | | | | 44.7 |
| Child's Emotional Adjustment | 55.7 | | 46.0 | | 53.9 | 56.6 | 52.5 | |
| School Helped with Child | 56.7 | 56.2 | | | 54.5 | 58.5 | 55.0 | 46.3 |
| School's Receptivity | 54.4 | 56.5 | 53.9 | | 53.1 | | | |
| **Parent Activity** | | | | | | | | |
| Talks with Teacher | | | 47.4 | 52.8 | | | 54.6 | 55.6 |
| PAC Involvement | 57.7 | 53.7 | 53.3 | | 59.4 | | 54.0 | 52.7 |
| Parent Visits to School | | | | | | | 55.0 | |
| School Helped Personally | 55.5 | 59.8 | | | | | 52.6 | 47.0 |
| **Parent Child Interaction** | | | | | | | | |
| Child Read to at Home** | 53.8 | | 52.7 | | 53.0 | 45.2 | | |
| Child Reads at Home** | | | 54.3 | | | 45.5 | | |
| Parent Child Interaction | | | | | ▨ 54.9 | | 45.4 | 47.1 |
| **Parent Locus** | | | | | | | | |
| Parent Locus | 46.4 | 53.0 | 53.2 | 54.3 | 54.8 | | 44.7 | 40.5 |
| Range of N's | 29-30 | 16-21 | 23 | 25-41 | 19-20 | 12-14 | 17-34 | 5-20 |

Notes: ▨ Untrustworthy: reliability less than .40.

*All teacher and parent attitudes are standardized with a mean of 50 and a standard deviation of 10. Only scores which are based upon four or more responses and deviate from the mean by one-quarter of a standard deviation or more appear on this table.

**Parent factors for Child Read to at Home and Child Reads at home were not calculated for the Cohort II Kindergarten stream.

### Entry-Exit Effects*

We find that the performance of FT children on basic skills measures differs considerably among sites and analytic strategies as indicated in Table 16-2. For example, judged by the pooled analysis, Cohort III-K FT children in Los Angeles perform above expectations on all four of the basic skills measures while Cohort III-K FT children in Ravenswood perform below expectations on all four measures. Cohort III-K FT children also vary from site to site in their performance on basic skills measures.

FT children in California Process sponsored sites also vary notably in their performance on the cognitive conceptual skills tests. For example, judged by the pooled analysis, Cohort III-K FT children in Los Angeles perform above expectations on two of the cognitive conceptual skills tests while FT children in Oakland perform below expectations on all of the cognitive-conceptual skills tests. In Cohort II-K FT children are similarly varied in their performance on cognitive conceptual skills measures.

FT children in California Process sponsored sites vary on the three affective measures as well. In particular, judged by the pooled analysis, Cohort III-K FT children in San Jose score above expectations on one of the affective measures and below expectations on another; FT children in Oakland perform below expectations on all affective measures. Judged by the local analysis, FT children perform as well as expected on all affective measures. FT children in Cohort II-K are similarly diverse in their performance on the three affective measures.

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*Certain effects in the Summary of Effects table for this model have been shaded, indicating that we have some concern about the validity of the FT/NFT comparison. A shaded column indicates an FT/NFT difference of 50 percent or more with preschool experience. (None will occur in Cohort III-K sites, due to preschool adjusted analyses.) Shading of specific outcomes within a column indicates an adjustment of more than one-half standard deviation of the outcome measure. The potential problems associated with such FT/NFT differences are discussed in Chapter Four of Volume IV-A. The shaded effects are therefore presented but not discussed. Although both criteria are applied to every outcome in each site, the shading for preschool differences takes precedence over shading for size of adjustment.

# Table 16-2
# SUMMARY OF EFFECTS FOR CAL PROCESS SITES

| Stream | | KINDERGARTEN | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | | Los Angeles, CA | | | | Ravenswood, CA | | | | Oakland, CA | | San Jose, CA | | | | Lamont, CA | |
| | Cohort | III | | II | | III | | II | | III | | III | | II | | II | |
| Domain | Outcome Measure / Analytic Comparison | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | ** Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled |
| BASIC SKILLS | Word Knowledge | ▨ | ⊞ | | + | | - | | + | | - | ▨ | - | - | ▨ | ▨ | ▨ |
| | Spelling | | + | | ▨ | | - | | ▨ | | □ | ▨ | ▨ ⊟ | - | ▨ | ▨ | ▨ |
| | Language | | ⊞ | | | | ⊟ | | | | - | | ▨ □ | - | ▨ | ▨ | ▨ |
| | Math Computations | ⊞ | ⊞ | | | | ⊟ | ▨ + | ▨ + | | | ▨ | □ | ▨ | ▨ | ▨ | |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | | + | + | | | | | | - | | ▨ | | - | ▨ | |
| | Reading | | ⊞ | | + | | | | | | - | ▨ | - | - | ▨ - | ▨ | ▨ |
| | Math Concepts | | ⊞ | | | | - | ▨ | ▨ | | - | ▨ | - | ▨ | ▨ - | ▨ | ▨ |
| | Math Problem Solving | | | | | | - | | | | - | | - | - | ▨ - | ▨ | |
| AFFECTIVE MEASURES | Coopersmith | | | | + | | + | | + | | - | | ▨ | | ▨ | ▨ | |
| | IARS (–) | | | | | | | | + | | - | | ⊟ | ▨ | | ▨ | |
| | IARS (+) | | □ | | | | | | | | - | | + | | ▨ - | ▨ | |
| | Total Reading | | ⊞ | | + | | - | | | | - | ▨ | - | - | ▨ - | ▨ | ▨ |
| | Total Math | | ⊞ | | | | - | | + | | □ | ▨ | - | - | ▨ - | ▨ | |
| | Language Part A | | | | + | | - | | | | - | ▨ | ▨ □ | - | ▨ - | ▨ | ▨ + |
| | Language Part B | | | | | | | | | | □ | | ▨ □ | - | - | ▨ - | - |

| NATIONAL NORMS* | | Site FT Sample* | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Outcome Measures | MAT Sample | | | | | | | | |
| Reading | 20% | 46 | 52 | 62 | 35 | 55 | 64 | 57 | 56 |
| Math | 12% | 41 | 52 | 50 | 36 | 38 | 52 | 45 | 52 |
| Spelling | 22% | 40 | 52 | 47 | 28 | 47 | 45 | 38 | 56 |
| Language** | 14% | 72 | | 88 | | 79 | 94 | | |

Notes:

* In terms of percentage of children performing one or more years below grade level.
No national norms comparisons were made for Cohort II-K children on the Language subtest.

** No FT/NFT comparison computed and size of adjustment not tested due to lack of local NFT group.

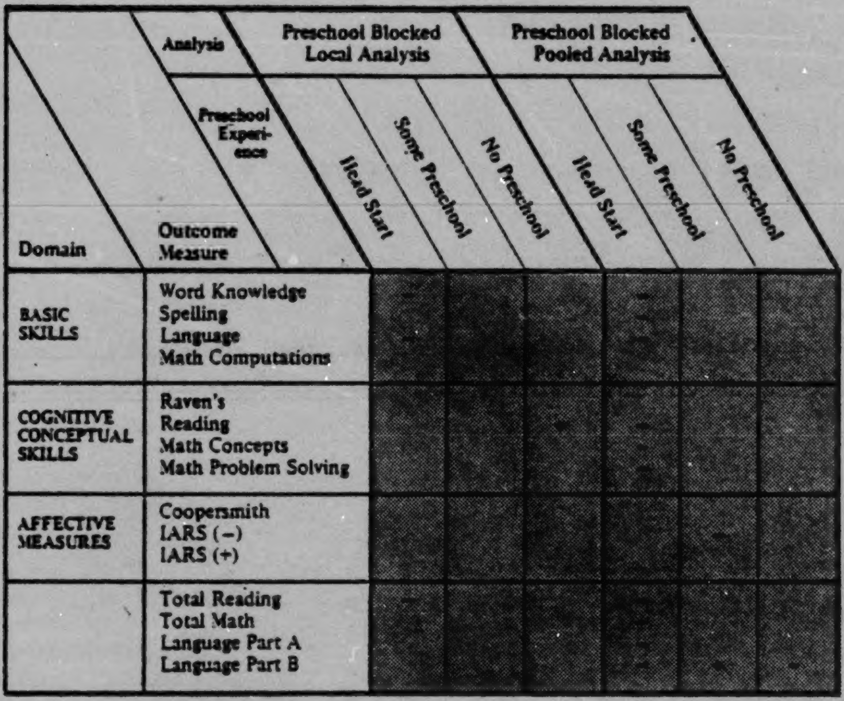
| | | | |
|---|---|---|---|
| + | FT-favoring effect | □ | Preschool Adjustment changes effect |
| – | NFT-favoring effect | ▨ | Untrustworthy effect |
| blank | Null effect | | |

224

### National Norms Comparison

As indicated at the bottom of Table 16-2, in all sites in this model, a larger-than-expected proportion* of FT children perform at least one year below grade level (the criterion of educational disadvantage**).

Figure 16-3
SPONSOR LEVEL SUMMARY OF EFFECTS
FOR CAL PROCESS



| Domain | Outcome Measure | Preschool Blocked Local Analysis: Head Start | Preschool Blocked Local Analysis: Some Preschool | Preschool Blocked Local Analysis: No Preschool | Preschool Blocked Pooled Analysis: Head Start | Preschool Blocked Pooled Analysis: Some Preschool | Preschool Blocked Pooled Analysis: No Preschool |
|---|---|---|---|---|---|---|---|
| BASIC SKILLS | Word Knowledge<br>Spelling<br>Language<br>Math Computations | ▨ | ▨ | ▨ | ▨ | ▨ | ▨ |
| COGNITIVE CONCEPTUAL SKILLS | Raven's<br>Reading<br>Math Concepts<br>Math Problem Solving | ▨ | ▨ | ▨ | ▨ | ▨ | ▨ |
| AFFECTIVE MEASURES | Coopersmith<br>IARS (−)<br>IARS (+) | ▨ | ▨ | ▨ | ▨ | ▨ | ▨ |
| | Total Reading<br>Total Math<br>Language Part A<br>Language Part B | ▨ | ▨ | ▨ | ▨ | ▨ | ▨ |

Notes:
+ FT-favoring effect
− NFT-favoring effect
blank Null effect
▨ Sample size of less than 30 children

---

* The expected proportion of children performing at least one year below grade level is shown in the MAT sample column. The reader is cautioned; this expectation is based on the performance of a sample of average children and therefore is a stringent external criterion.

** Section 417 (a)(2) of the General Education Provisions Act provides that for the purpose of the Secretary of HEW's Annual Report the term "educationally disadvantaged children" refers to children who are achieving one or more years behind the achievement expected at the appropriate grade level for such children.

## Effects by Type of Preschool Experience

We have an insufficient number of respondents in the three preschool groups to analyze the effects of this model by type of preschool experience.

## Longitudinal Effects

As discussed in Volume IV-D, the FT and NFT analytic comparison groups included in the longitudinal analysis are not comparable. Thus we do not have confidence in our longitudinal findings and shall not report them here.

## Summary

The major goal of the California Process Model is for children to achieve academic performance at grade level. The programs developed by local community planning teams seek to adapt education to the individually diagnosed needs of students and cultural/community groups, and to supplement existing elementary educational activities. Thus FT teachers vary considerably among sites in their characterization of the degree of structure in their classrooms. On the whole, the majority of FT parents in most sites feel that school has had a positive impact on their children.

The performance of FT children in these programs on the various measures of the outcome battery varies slightly between cohorts, but within cohorts, varies considerably among sites. In general, FT children in the sites perform differently on each of the three outcome domains. Seventeen percent of the observed effects in the basic skills domain are positive and 56 percent are null; 11 percent of the observed effects in the cognitive conceptual skills domain are positive and 62 percent are null; 13 percent of the observed effects in the affective domain are positive and 76 percent are null. Positive, null or negative effects tend to be concentrated within individual sites. This indicates that the California Process programs have a wide range of effects by site, ranging from 71 percent positive (in Los Angeles on basic skills) to 75 percent negative (in San Jose on cognitive conceptual skills).

## CHAPTER SEVENTEEN

## NEW SCHOOL APPROACH (NSA)
University of North Dakota

### The Model

The New School Approach (NSA) is designed to focus on integration of knowlege and understanding rather than on such categories of knowledge as reading, writing, and arithmetic. Although acquisition of basic skills is important, the major focus of the model is on the process of learning. Children are encouraged to initiate their own activities and take responsibility for their own learning, either individually or in small groups.

The teachers in NSA are encouraged to take advantage of the child's natural sense of curiosity and convert this energy into a process which enables learning. Teachers, therefore, serve as catalysts in the learning process. The classroom is a relatively unstructured learning environment in which the teacher applies "planned structure" through the organization and provision of materials in the learning centers. The sponsor provides teachers with detailed instructions on how to design the learning centers and then how to serve as a coordinator of the learning processes.

Parent participation is an integral part of NSA. By planning learning centers around the skills and interests of the parents, the teacher can encourage active parent participation in the classroom program. Parents can provide classroom assistance by reading stories and teaching crafts skills or by serving as language interpreters and teachers of curriculum units on special topics such as ethnic history. NSA is a relatively unstructured program which stresses a child-centered approach to learning how to learn.

## The New School Approach as Realized in Follow Through

NSA is evaluated in two sites: Great Falls, MT and Clear Lake, WA. Both sites are only represented in the kindergarten stream of Cohort III.

### Sample Description

As indicated in Figures 17-1 and 17-2 both NSA's FT site groups are above the Follow Through socioeconomic average, and neither has an unusually high concentration of ethnic or linguistic minorities. The FT and NFT groups are reasonably comparable in each site.

### Teachers' Perceptions of the Model

NSA embodies an "open education" philosophy of elementary education. Thus, as indicated in Table 17-1, FT teachers in both sites report a low degree of emphasis on teacher-centeredness and a high degree of flexibility within the classroom. FT teachers in Great Falls also report an above average degree of emphasis on individualization; FT teachers in Clear Lake, however, report only an average degree of emphasis on individualization. Teachers in both sites express above average satisfaction with the sponsor.

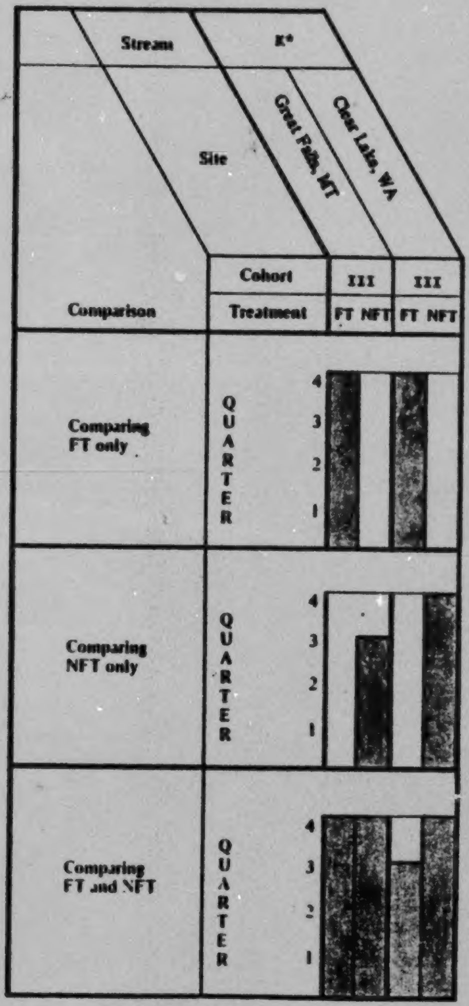
### Parents' Perceptions of the Model

NSA encourages parent participation. As judged by parental responses, indicated in Table 17-1, FT parents in Clear Lake only are slightly above average in parent activity. Moreover, FT parents in NSA sponsored sites are not notably more involved in their children's education at home than are FT and NFT parents in general. FT parents in both NSA-sponsored sites are average to slightly lower than average in the reported school impact on the child.

## Effects on Children

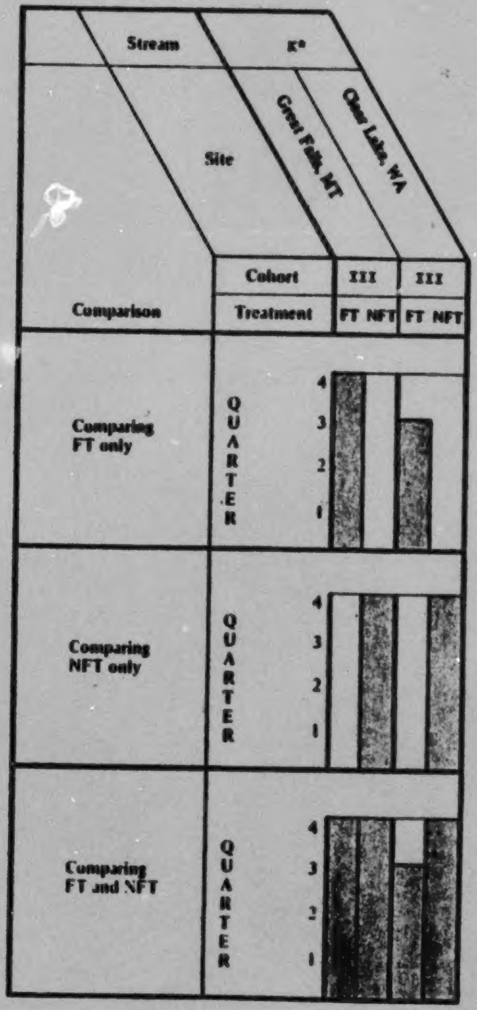
NSA provides a relatively unstructured approach to learning, and encourages children to initiate their own activites: the model considers the process of learning to be paramount. We might thus expect FT children in NSA-sponsored sites to excel on the cognitive conceptual tests in the national evaluation. However, as we have discussed in Chapter Three of Volume IV-A, the instuments in this domain may not adequately

**Figure 17-1**
**RANKINGS ON THE SOCIOECONOMIC DISCREPANCY INDEX FOR NSA SITES**



* K = Entering Kindergarten Stream.

**Figure 17-2**
**RANKINGS ON ETHNIC-LINGUISTIC INDEX FOR NSA SITES**



* K = Entering Kindergarten Stream.

## Table 17-1
## SELECTED STANDARDIZED SCORES* FOR TEACHER CLUSTERS AND PARENT FACTORS FOR NSA SITES

| Stream: KINDERGARTEN<br>Site | Great Falls, MT | Clear Lake, WA |
|---|---|---|
| Cohort | III | III |
| **TEACHER CLUSTERS** | | |
| Teacher Centered | 37.1 | 40.5 |
| Flexible Classroom | 65.5 | 55.7 |
| Individualization | 59.5 | |
| Academic (vs. Emotional) Emphasis | ▨ | 45.8 |
| Satisfaction with Sponsor | 58.9 | 61.6 |
| Range of N's | 5 | 7 |
| **PARENT FACTORS** | | |
| School Impact on Child | | |
| School Helped Child | | |
| Child's Progress in School | | |
| Child's Emotional Adjustment | | 46.3 |
| School Helped with Child | 45.0 | |
| School's Receptivity | | |
| Parent Activity | | |
| Talks with Teacher | | |
| PAC Involvement | | 54.5 |
| Parent Visits to School | 46.6 | 53.1 |
| School Helped Personally | | |
| Parent Child Interaction | | |
| Child Read to at Home ** | 46.8 | 52.5 |
| Child Reads at Home ** | | |
| Parent Child Interaction | | ▨ |
| Parent Locus | | |
| Parent Locus | | 46.5 |
| Range of N's | 33 | 28 |

Notes: ▨ Untrustworthy: reliability less than .40.

*All teacher and parent attitudes are standardized with a mean of 50 and a standard deviation of 10. Only scores which are based upon four or more responses and deviate from the mean by one-quarter of a standard deviation or more appear on this table.

**Parent factors for Child Read to at Home and Child Reads at home were not calculated for the Cohort II Kindergarten stream.

## Table 17-2
## SUMMARY OF EFFECTS FOR NSA SITES

| Stream: KINDERGARTEN<br>Site | | Great Falls, MT | | Clear Lake, WA | |
|---|---|---|---|---|---|
| Cohort | | III | | III | |
| Domain | Outcome Measure / Analytic Comparison | Local | Pooled | Local | Pooled |
| BASIC SKILLS | Word Knowledge | | ▨ | ▨ | - |
| | Spelling | | | - | - |
| | Language | ▨ | ☐ | ▨ | - |
| | Math Computations | | ☐ | - | - |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | | - | |
| | Reading | | ▨ ☐ | ▨ | - |
| | Math Concepts | - | ▨ | - | - |
| | Math Problem Solving | | | - | - |
| AFFECTIVE MEASURES | Coopersmith | | | | - |
| | IARS (–) | | | | ☐ |
| | IARS (+) | | | - | - |
| | Total Reading | | ▨ | ▨ | - |
| | Total Math | ☐ | ▨ ☐ | - | - |
| | Language Part A | ☐ | ☐ | - | - |
| | Language Part B | | ☐ | ▨ | - |

| NATIONAL NORMS* | | Site FT Sample* | |
|---|---|---|---|
| Outcome Measures | MAT Sample | | |
| Reading | 20% | 18 | 30 |
| Math | 12% | 24 | 15 |
| Spelling | 22% | 18 | 27 |
| Language** | 14% | 55 | 42 |

Notes:

* In terms of percentage of children performing one or more years below grade level.
No national norms comparisons were made for Cohort II-K children on the Language subtest.

| | | | |
|---|---|---|---|
| + | FT-favoring effect | ☐ | Preschool Adjustment changes effect |
| - | NFT-favoring effect | ▨ | Untrustworthy effect |
| blank | Null effect | | |

measure the cognitive conceptual skill objectives of this model. We have assessed the impact of this model in two ways.

### Entry-Exit Effects*

We find that the performance of FT children in NSA-sponsored sites varies between sites as shown in Table 17-2. In particular, FT children in Clear Lake perform below NFT expectations on nearly all the basic skills and cognitive conceptual skills tests. FT children here also perform below expectations on one or two of the affective measures. In Great Falls, FT children perform as well as NFT on almost all tests and measures in the outcome battery.

### National Norms Comparisons

As indicated at the bottom of Table 17-2, a smaller-than-expected** proportion of FT children in Great Falls perform at least one year below grade level (the criterion of educational disadvantage***) on two sections of the MAT: Reading and Spelling. In other sites in this model, a larger-than-expected proportion of FT children perform at least one year below grade level.

### Effects by Type of Preschool Experience

We do not have a sufficient number of cases in the three preschool groups to analyze the effects of this model by type of preschool experience.

---

*Certain effects in the Summary of Effects table for this model have been shaded, indicating that we have some concern about the validity of the FT/NFT comparison. Shading of specific outcomes within a column indicates an adjustment of more than one-half standard deviation of the outcome measure. The potential problems associated with such FT/NFT differences are discussed in Chapter Four of Volume IV-A. The shaded effects are therefore presented but not discussed.

** The expected proportion of children performing at least one year below grade level is shown in the MAT sample column. The reader is cautioned; this expectation is based on the performance of a sample of average children and therefore is a stringent external criterion.

*** Section 417 (a) (2) of the General Education Provisions Act provides that for the purpose of the Secretary of HEW's Annual Report the term "educationally disadvantaged children refers to children who are achieving one or more years behind the achievement expected at the appropriate grade level for such children."

## Figure 17-3
## SPONSOR LEVEL SUMMARY OF EFFECTS FOR NSA

|  | Analysis | Preschool Blocked Local Analysis |  |  | Preschool Blocked Pooled Analysis |  |  |
|---|---|---|---|---|---|---|---|
|  | Preschool Experience | Head Start | Some Preschool | No Preschool | Head Start | Some Preschool | No Preschool |
| Domain | Outcome Measure |  |  |  |  |  |  |
| BASIC SKILLS | Word Knowledge |  |  | – | – | – | – |
|  | Spelling |  |  | – | – |  | – |
|  | Language | – |  |  | – |  | – |
|  | Math Computations |  |  | – | – | – | – |
| COGNITIVE CONCEPTUAL SKILLS | Raven's |  |  |  |  |  |  |
|  | Reading |  |  | – | – |  | – |
|  | Math Concepts |  |  | – | – | – | – |
|  | Math Problem Solving |  |  |  | – | – |  |
| AFFECTIVE MEASURES | Coopersmith |  |  |  |  | – |  |
|  | IARS (–) |  |  |  |  | – |  |
|  | IARS (+) |  | – |  | – | – |  |
|  | Total Reading |  |  | – | – | – | – |
|  | Total Math |  |  | – | – | – | – |
|  | Language Part A | – |  | – | – |  | – |
|  | Language Part B |  |  |  | – | – | – |

Notes:
+ FT-favoring effect
– NFT-favoring effect
blank Null effect
▨ Sample size of less than 30 children

234

## Longitudinal Analysis

We do not have a sufficient number of respondents with data at three points in time to assess longitudinally the impact of this model.

## Summary

The New School Approach is a relatively unstructured program, closely resembling the practices of the British infant and primary schools, and stresses a child-centered appraoch to learning how to learn. Children are encouraged to initiate their own activities and take responsibility for their own learning, either individually or in small groups. FT teachers in the two sites in this model characterize their classrooms as being relatively flexible and non-teacher-centered. And, while the model encourages parent participation, data suggest that FT parents are only slightly more actively involved in their children's education as are FT and NFT parents in general.

The performance of FT children in this model on the various measures of the outcome battery varies substantially between the two sites. FT children in Great Falls do substantially better in all three domains than FT children in Clear Lake: while 100 percent of the effects on the basic skills tests and affective measures in Great Falls are null, 100 percent and 15 percent in these two domains, repectively, in Clear Lake are negative. And while 83 percent of the observed effects on the cognitive conceptual skills tests in Great Falls are null, 71 percent of the effects in Clear Lake in this domain are negative.

# CHAPTER EIGHTEEN

## MATHEMAGENIC ACTIVITIES PROGRAM (MAP)

University of Georgia

### The Model

The Mathemagenic Activities Program (MAP) derives its name from "mathema -- that which is learned, or pertaining to science" and "genesis -- to be born." Mathemagenic activities are those which give birth to learning of a scientific type. Therefore, MAP places emphasis on the development of cognitive and affective skills through interaction with the environment.

One of the major tenets of MAP is that children learn when mental and physical interaction with their environment is structured by tasks which encourage them to take the next incremental step beyond current experiences of knowledge. If the "mismatch" between the child's level of understanding is either too little or too great, the child will lose interest. A second principle is that children "learn by doing." Tasks which encourage children to involve themselves physically, socially, and mentally provide the greatest opportunity for learning to occur. Third, when sufficient options are available, children can develop a personal sense of what is an appropriate next task. Development of a sense of responsibility for self-regulation is one of the goals of MAP.

Teachers in this model are trained to create a classroom learning environment which provides an appropriate mismatch of task options, coordinates the mental and physical activities, and promotes the child's acquisition of self-regulation. Through small group instruction, MAP teachers provide children with a wide range of experiences in sequenced task steps. Academic skills are taught to serve as a basis for developing cognitive conceptual skills. MAP materials are available in: art, health and physical education, music, social studies, language arts, math, and sciences.

MAP parents are encouraged to participate in the PACs. Each site has the option of developing its own approach to parent volunteers and assisting parents to help their children with educational activities at home. In general, MAP is designed to promote the children's cognitive and affective development through carefully structured and sequenced learning task options.

## MAP as Realized in Follow Through

MAP is evaluated in three sites included in the analytic samples: Gulfport, MS; Pickens County, GA; and Lee County, VA. All three sites are included in the entering first stream of Cohort III.

### Sample Description

As indicated in Figures 18-1 and 18-2, MAP's FT site groups are all above the Follow Through socioeconomic average, and none have an unusually high concentration of ethnic or linguistic minorities. The FT and NFT groups are reasonably comparable in each site.

### Teachers' Perceptions of the Model

We have an insufficient number of responses from FT teachers in MAP sponsored sites to calculate reliabilities. Hence, we present data on teachers' perceptions of the model in Table 18-1 but do not discuss them.

### Parents' Perceptions of the Model

Since each MAP site has the option of developing its own approach to parent involvement in their children's education, we might expect parents' reported perceptions to vary from site to site. In Table 18-1, all three sites report low-to-average levels of perceived school impact on children; the same observation holds for reported parent activity and parent-child interaction, except for relatively high levels of PAC involvement and reading to children at home in Pickens County.

## Effects on Children

MAP structures children's environments to encourage them to take incremental steps beyond their current experiences and knowledge. The

**Figure 18-1**
**RANKINGS ON THE SOCIOECONOMIC DISCREPANCY INDEX FOR MATHEMAGENIC SITES**

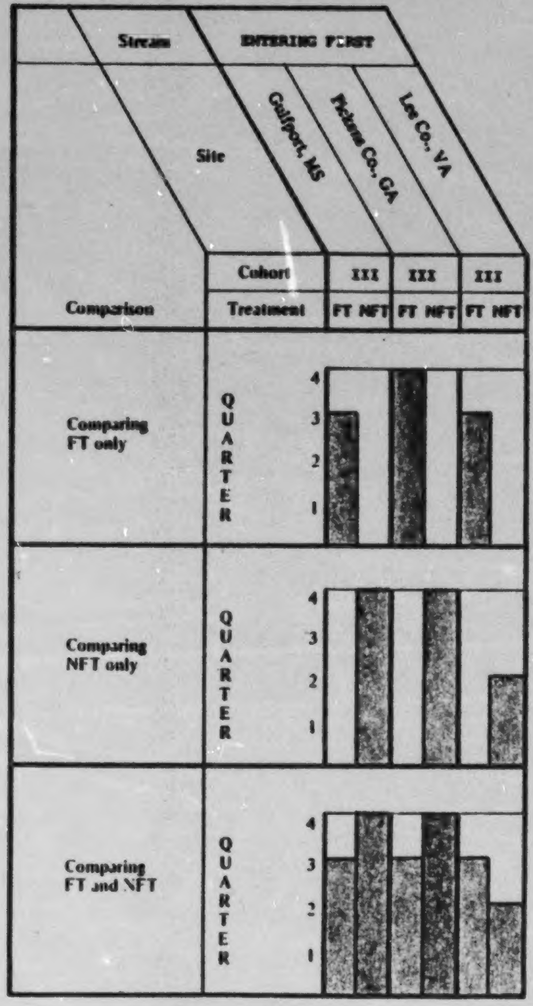
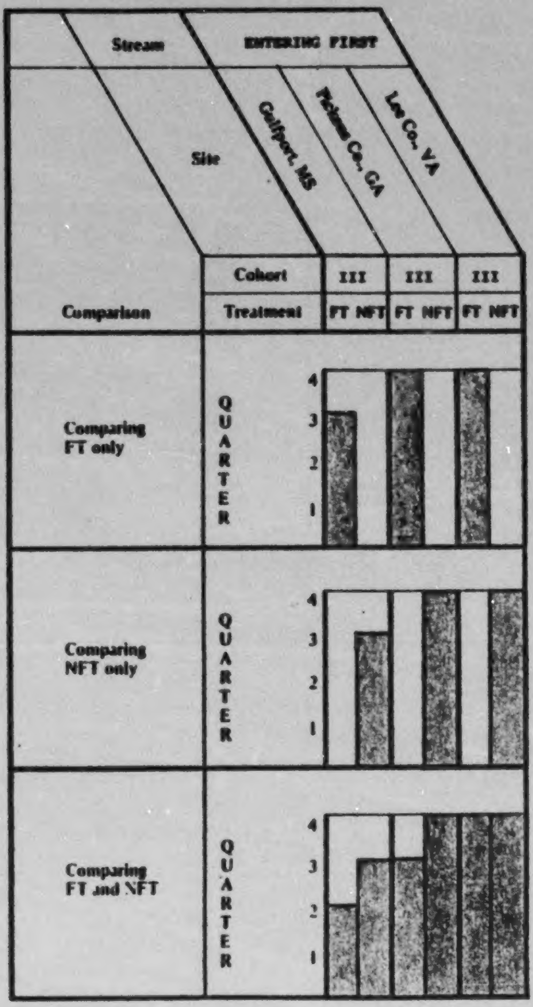


**Figure 18-2**
**RANKINGS ON ETHNIC-LINGUISTIC INDEX FOR MATHEMAGENIC SITES**



## Table 18-1
## SELECTED STANDARDIZED SCORES*
## FOR TEACHER CLUSTERS AND PARENT FACTORS
## FOR MATHEMAGENIC SITES

| Stream | KINDERGARTEN | | |
|---|---|---|---|
| Site | Gulfport, MS | Pickens Co., GA | Lee Co., VA |
| Cohort | III | III | III |
| **TEACHER CLUSTERS** | | | |
| Teacher Centered | | | |
| Flexible Classroom | | 53.6 | |
| Individualization | 55.3 | | 59.8 |
| Academic (vs. Emotional) Emphasis | 54.5 | 53.9 | |
| Satisfaction with Sponsor | 53.9 | 53.4 | 54.5 |
| Range of N's | 8 | 6 | 11 |
| **PARENT FACTORS** | | | |
| School Impact on Child | | | |
| School Helped Child | 45.8 | | |
| Child's Progress in School | | | |
| Child's Emotional Adjustment | 46.3 | | 45.1 |
| School Helped with Child | | | 47.4 |
| School's Receptivity | | | |
| Parent Activity | | | |
| Talks with Teacher | | 46.7 | 47.0 |
| PAC Involvement | | 55.0 | |
| Parent Visits to School | | | 47.3 |
| School Helped Personally | | | |
| Parent Child Interaction | | | |
| Child Read to at Home** | | 52.9 | 45.2 |
| Child Reads at Home** | 46.6 | | |
| Parent Child Interaction | | | |
| Parent Locus | | | |
| Parent Locus | | | |
| Range of N's | 27-30 | 43-46 | 29-30 |

Notes: ▨ Untrustworthy: reliability less than .40.

*All teacher and parent attitudes are standardized with a mean of 50 and a standard deviation of 10. Only scores which are based upon four or more responses and deviate from the mean by one-quarter of a standard deviation or more appear on this table.

**Parent factors for Child Read to at Home and Child Reads at home were not calculated for the Cohort II Kindergarten stream.

## Table 18-2
## SUMMARY OF EFFECTS
## FOR MATHEMAGENIC SITES

| | Stream | ENTERING FIRST | | | | | |
|---|---|---|---|---|---|---|---|
| | Site | Gulfport, MS | | Pickens Co., GA | | Lee Co., VA | |
| | Cohort | III | | III | | III | |
| Domain | Outcome Measure / Analytic Comparison | Local | Pooled | Local | Pooled | Local | Pooled |
| BASIC SKILLS | Word Knowledge | – | – | | – | | |
| | Spelling | | | | – | | |
| | Language | | | | ▨ + | | |
| | Math Computations | + | + | | | + | + |
| COGNITIVE CONCEPTUAL SKILLS | Raven's | | | | + | + | + |
| | Reading | – | – | | ▨ – | | + |
| | Math Concepts | | | | + | | + |
| | Math Problem Solving | | | | ▨ | | + |
| AFFECTIVE MEASURES | Coopersmith | | | | | | |
| | IARS (–) | – | – | | – | | – |
| | IARS (+) | | | | | | |
| | Total Reading | – | – | | – | | |
| | Total Math | | + | | | | + |
| | Language Part A | – | – | | + | | |
| | Language Part B | | | | ▨ | | |

| NATIONAL NORMS* | | Site FT Sample* | | |
|---|---|---|---|---|
| Outcome Measures | MAT Sample | | | |
| Reading | 20% | 53 | 32 | 31 |
| Math | 12% | 27 | 18 | 17 |
| Spelling | 22% | 33 | 24 | 23 |
| Language** | 14% | 66 | 60 | 40 |

Notes:

* In terms of percentage of children performing one or more years below grade level.
No national norms comparisons were made for Cohort II-K children on the Language subtest.

| | | | |
|---|---|---|---|
| + | FT-favoring effect | ☐ | Preschool Adjustment changes effect |
| – | NFT-favoring effect | ▨ | Untrustworthy effect |
| blank | Null effect | | |

model emphasizes the development of both cognitive and affective skills. Thus, we might expect FT children in MAP-sponsored sites to perform better than expected on the cognitive conceptual skills and affective measures of the national evaluation. However, as we have discussed in Chapter Two of Volume IV-A, our instruments in these two domains may not be sufficently sensitive to measure accurately the cognitive conceptual and affective objectives of this model. We have assessed the impact of this model in two ways.

Entry-Exit Effects*

The performance of FT children varies somewhat among the three sites. In Lee County, FT children perform better than expected on all four aspects of the cognitive conceptual skills, as judged by the pooled analysis. Elsewhere, and in other domains, FT children perform in most respects as well as expecations based on comparable children.

National Norms Comparisons

As indicated at the bottom of Table 18-2, in all other sites in this model, a larger-than-expected proportion** of FT children perform at least one year below grade level (the criterion of educational disadvantage***).

---

* Certain effects in the Summary of Effects table for this model have been shaded, indicating that we have some concern about the validity of the FT/NFT comparison. Shading of specific outcomes within a column indicates an adjustment of more than one-half standard deviation of the outcome measure. The poteatial problems associated with such FT/NFT differences are discussed in Chapter Four of Volume IV-A. The shaded effects are therefore presented but not discussed.

** The expected proportion of children performing at least one year below grade level is shown in the MAT sample column. The reader is cautioned; this expectation is based on the performance of a sample of average children and therefore is a stringent external criterion.

*** Section 417 (a)(2) of the General Education Provisions Act provides that for the purpose of the Secretary of HEW's Annual Report the term "educationally disadvantaged children refers to children who are achieving one or more years behind the achievement expected at the appropriate grade level for such children."

### Effects by Type of Preschool

No analysis by type of preschool was performed on any Cohort III-EF sites. Thus, MAP was not included in this type of analysis.

### Longitudinal Analysis

The longitudinal analysis did not include Cohort III-EF sites.

## Summary

The Mathemagenic Activities Program emphasizes the development of cognitive and affective skills through interaction with the environment. Through small group instruction, MAP teachers provide children with a wide range of experiences in sequenced task steps. Academic skills are taught to serve as a basis for developing cognitive conceptual skills. FT parents vary among sites in their perceptions of the model and in the degree to which they report being involved in their children's education.

The performance of FT children in this model on the various measures of the outcome battery varies somewhat among sites. In general, FT children in the sites in this model perform better in the cognitive conceptual skills and the basic skills domains than they do on the affective domain. In particular, in the cognitive conceptual skills domain, 32 percent of the effects are positive and 59 percent are null; in the basic skills domain, 17 percent of the effects are positive and 65 percent are null. But in the affective domain, none of the effects are positive and 78 percent are null. Positive, or null effects tend to be concentrated within individual sites. This indicates that MAP has a wide range of effects by site, ranging from 63 percent positive (in Lee County, on basic skills) to 71 percent null (in Pickens County, on basic skills).

# Education as Experimentation: A Planned Variation Model

Volume IV-C
Appendices Part I

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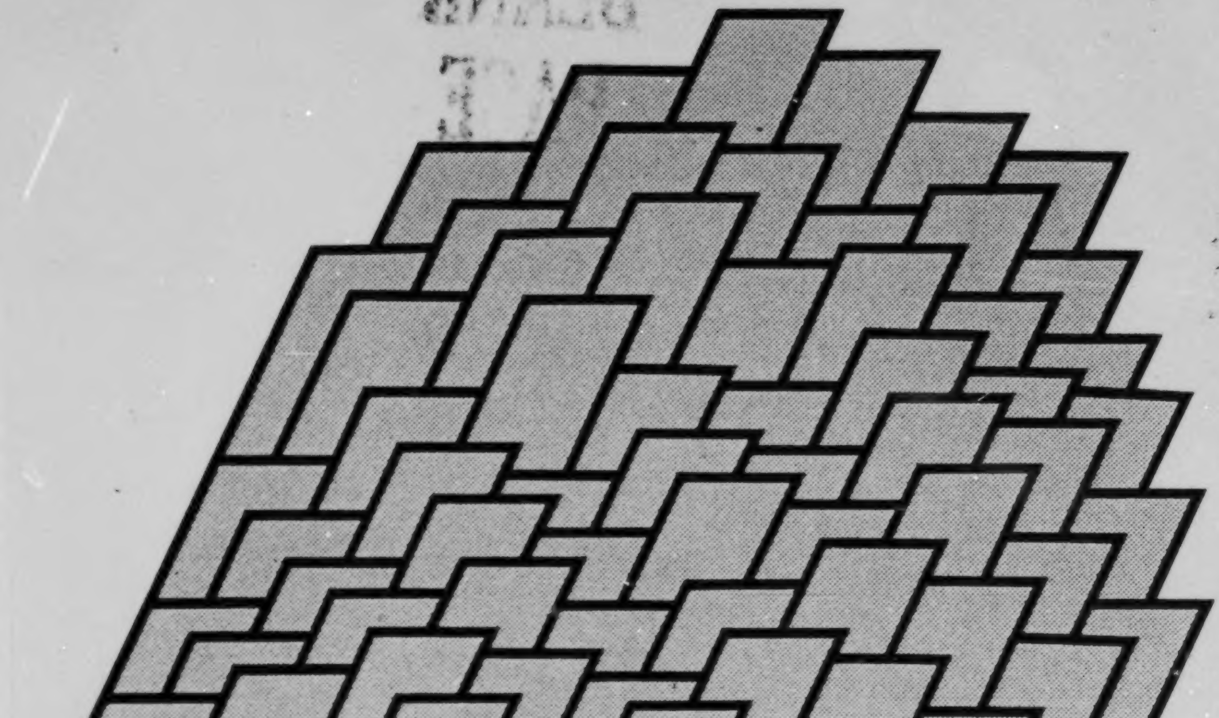

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244

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# EDUCATION AS EXPERIMENTATION: A PLANNED VARIATION MODEL

## VOLUME IV-C

## APPENDICES

## PART I

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15 April 1977

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## INDEX OF TABLES

## VOLUME IVC

Table Page

Distribution of Household Income by FT/NFT

C1-1 for Cohort III Kindergarten Analytic Sample 3
C1-6 for Cohort III Entering First Analytic Sample 13
C1-11 for Cohort II Entering First Analytic Sample 18

Distribution of Mother's Education by FT/NFT

C1-2 for Cohort III Kindergarten Analytic Sample 5
C1-7 for Cohort III Entering First Analytic Sample 14
C1-12 for Cohort II Entering First Analytic Sample 19

Distribution of Father's Education by FT/NFT

C1-3 for Cohort III Kindergarten Analytic Sample 7
C1-8 for Cohort III Entering First Analytic Sample 15
C1-13 for Cohort II Entering First Analytic Sample 20

Distribution of Mother's Occupation by FT/NFT

C1-4 for Cohort III Kindergarten Analytic Sample 9
C1-9 for Cohort III Entering First Analytic Sample 16
C1-14 for Cohort II Entering First Analytic Sample 21

Distribution of Father's Occupation by FT/NFT

C1-5 for Cohort III Kindergarten Analytic Sample 11
C1-10 for Cohort III Entering First Analytic Sample 17
C1-15 for Cohort II Entering First Analytic Sample 22

Values of Socioeconomic and Ethnic-Linguistic Discrepancy Indices

C1-16 for Cohort III-K(PS) 23
C1-17 for Cohort III-EF 25
C1-18 for Cohort II-K 26
C1-19 for Cohort II-EF 28

| Table | | Page |
|---|---|---|
| | Range of Background Variables for Each Quarter in Socioeconomic Discrepancy Index | |
| Cl-20 | for Cohort III-K(PS) | 29 |
| Cl-22 | for Cohort III-EF | 31 |
| Cl-24 | for Cohort II-K | 33 |
| Cl-26 | for Cohort II-EF | 35 |
| | Range of Background Variables for Each Quarter in Ethnic-Linguistic Discrepancy Index | |
| Cl-21 | for Cohort III-K(PS) | 30 |
| Cl-23 | for Cohort III-EF | 32 |
| Cl-25 | for Cohort II-K | 34 |
| Cl-27 | for Cohort II-EF | 36 |
| | Treatment Regression Coefficients and Standard Errors by Outcome | |
| Cl-28 | for the Preschool Blocked Local Analysis of Cohort III-K | 37 |
| Cl-29 | for the Preschool Blocked Pooled Analysis of Cohort III-K | 39 |

Table Page

Ethnic Distribution of Children

in the Cohort III Kindergarten Sites

C2-IIIK-1 in the Responsive Education Model 43
C3-IIIK-1 in the TEEM Model 115
C4-IIIK-1 in the Bank Street Model 187
C5-IIIK-1 in the Direct Instruction Model 255
C6-IIIK-1 in the Behavior Analysis Model 349
C7-IIIK-1 in the Cognitive Curriculum Model 397
C8-IIIK-1 in the Parent Education Model 467
C9-IIIK-1 in the EDC Model 537
C11-IIIK-1 in the IELP Model 611
C12-IIIK-1 in the ILM Model 653
C13-IIIK-1 in the SEDL Model 691
C14-IIIK-1 in the CLA Model 735
C15-IIIK-1 in the Home-School Partnership Model 773
C16-IIIK-1 in the Cal Process Model 809
C17-IIIK-1 in the NSA Model 851

in the Cohort III Entering First Sites

C2-IIIEF-1 in the Responsive Education Model 87
C3-IIIEF-1 in the TEEM Model 159
C5-IIIEF-1 in the Direct Instruction Model 297
C18-IIIEF-1 in the Mathemagenic Model 889

in the Cohort II Entering First Sites

C4-IIEF-1 in the Bank Street Model 229
C5-IIEF-1 in the Direct Instruction Model 322
C7-IIEF-1 in the Cognitive Curriculum Model 439
C8-IIEF-1 in the Parent Education Model 509
C9-IIEF-1 in the EDC Model 579

**Table** **Page**

## Distribution of Background Variables

### Cohort III Kindergarten Children

| Table | | Page |
|---|---|---|
| C2-IIIK-2 | for the Responsive Education Model | 44 |
| C3-IIIK-2 | for the TEEM Model | 116 |
| C4-IIIK-2 | for the Bank Street Model | 188 |
| C5-IIIK-2 | for the Direct Instruction Model | 256 |
| C6-IIIK-2 | for the Behavior Analysis Model | 350 |
| C7-IIIK-2 | for the Cognitive Curriculum Model | 398 |
| C8-IIIK-2 | for the Parent Education Model | 468 |
| C9-IIIK-2 | for the EDC Model | 538 |
| C11-IIIK-2 | for the IELP Model | 612 |
| C12-IIIK-2 | for the ILM Model | 654 |
| C13-IIIK-2 | for the SEDL Model | 692 |
| C14-IIIK-2 | for the CLA Model | 736 |
| C15-IIIK-2 | for the Home-School Partnership Model | 774 |
| C16-IIIK-2 | for the Cal Process Model | 810 |
| C17-IIIK-2 | for the NSA Model | 852 |

### Cohort III Entering First Sites

| Table | | Page |
|---|---|---|
| C2-IIIEF-2 | for the Responsive Education Model | 88 |
| C3-IIIEF-2 | for the TEEM Model | 160 |
| C5-IIIEF-2 | for the Direct Instruction Model | 298 |
| C18-IIIEF-2 | for the Mathemagenic Model | 890 |

### Cohort II Entering First Sites

| Table | | Page |
|---|---|---|
| C4-IIEF-2 | for the Bank Street Model | 230 |
| C5-IIEF-2 | for the Direct Instruction Model | 323 |
| C7-IIEF-2 | for the Cognitive Curriculum Model | 440 |
| C8-IIEF-2 | for the Parent Education Model | 510 |
| C9-IIEF-2 | for the EDC Model | 580 |

| Table | | Page |
|---|---|---|

**Teacher Background Characteristics**

for Cohort III-K Sites

| | | |
|---|---|---|
| C2-IIIK-3 | in Responsive Education Model | 45 |
| C3-IIIK-3 | in the TEEM Model | 117 |
| C4-IIIK-3 | in the Bank Street Model | 189 |
| C5-IIIK-3 | in the Direct Instruction Model | 257 |
| C6-IIIK-3 | in the Behavior Analysis Model | 351 |
| C7-IIIK-3 | in the Cognitive Curriculum Model | 399 |
| C8-IIIK-3 | in the Parent Education Model | 469 |
| C9-IIIK-3 | in the EDC Model | 539 |
| C11-IIIK-3 | in the IELP Model | 613 |
| C12-IIIK-3 | in the ILM Model | 655 |
| C13-IIIK-3 | in the SEDL Model | 693 |
| C14-IIIK-3 | in the CLA Model | 737 |
| C15-IIIK-3 | in the Home-School Partnership Model | 775 |
| C16-IIIK-3 | in the Cal Process Model | 811 |
| C17-IIIK-3 | in the NSA Model | 853 |

for Cohort III-E Sites

| | | |
|---|---|---|
| C2-IIIEF-3 | in the Responsive Education Model | 89 |
| C3-IIIEF-3 | in the TEEM Model | 161 |
| C5-IIIEF-3 | in the Direct Instruction Model | 299 |
| C18-IIIEF-3 | in the Mathemagenic Model | 891 |

for Cohort II-E Sites

| | | |
|---|---|---|
| C4-IIEF-3 | in the Bank Street Model | 231 |
| C5-IIEF-3 | in the Direct Instruction Model | 324 |
| C7-IIEF-3 | in the Cognitive Curriculum Model | 441 |
| C8-IIEF-3 | in the Parent Education Model | 511 |
| C9-IIEF-3 | in the EDC Model | 581 |

**Table** **Page**

Standardized Scores on Teacher Clusters

(Spring 1975) for the Cohort III Kindergarten Sites

C2-IIIK-4 in the Responsive Education Model 46
C3-IIIK-4 in the TEEM Model 118
C4-IIIK-4 in the Bank Street Model 190
C5-IIIK-4 in the Direct Instruction Model 258
C6-IIIK-4 in the Behavior Analysis Model 352
C7-IIIK-4 in the Cognitive Curriculum Model 400
C8-IIIK-4 in the Parent Education Model 470
C9-IIIK-4 in the EDC Model 540
C11-IIIK4 in the IELP Model 614
C12-IIIK-4 in the ILM Model 656
C13-IIIK-4 in the SEDL Model 694
C14-IIIK-4 in the CLA Model 738
C15-IIIK-4 in the Home-School Partnership Model 776
C16-IIIK-4 in the Cal Process Model 812
C17-IIIK-4 in the NSA Model 854

(Spring 1974) for the Cohort III Entering First Sites

C2-IIIEF-4 in the Responsive Education Model 90
C3-IIIEF-4 in the TEEM Model 162
C5-IIIEF-4 in the Direct Instruction Model 300
C18-IIIEF-4 in the Mathemagenic Model 892

(Spring 1973) for the Cohort II Entering First Sites

C4-IIEF-4 in the Bank Street Model 232
C5-IIEF-4 in the Direct Instruction Model 325
C7-IIEF-4 in the Cognitive Curriculum Model 442
C8-IIEF-4 in the Parent Education Model 512
C9-IIEF-4 in the EDC Model 582

| Table | | Page |
|---|---|---|
| | Standardized Scores on Parent Factors | |
| | (Spring 1975) for the Cohort III Kindergarten Sites | |
| C2-IIIK-5 | in the Responsive Education Model | 47 |
| C3-IIIK-5 | in the TEEM Model | 119 |
| C4-IIIK-5 | in the Bank Street Model | 191 |
| C5-IIIK-5 | in the Direct Instruction Model | 259 |
| C6-IIIK-5 | in the Behavior Analysis Model | 353 |
| C7-IIIK-5 | in the Cognitive Curriculum Model | 401 |
| C8-IIIK-5 | in the Parent Education Model | 471 |
| C9-IIIK-5 | in the EDC Model | 541 |
| C11-IIIK-5 | in the IELP Model | 615 |
| C12-IIIK-5 | in the ILM Model | 657 |
| C13-IIIK-5 | in the SEDL Model | 695 |
| C14-IIIK-5 | in the CLA Model | 739 |
| C15-IIIK-5 | in the Home-School Partnership Model | 777 |
| C16-IIIK-5 | in the Cal Process Model | 813 |
| C17-IIIK-5 | in the NSA Model | 855 |
| | (Spring 1974) for the Cohort III Entering First Sites | |
| C2-IIIEF-5 | in the Responsive Education Model | 91 |
| C3-IIIEF-5 | in the TEEM Model | 163 |
| C5-IIIEF-5 | in the Direct Instruction Model | 301 |
| C18-IIIEF-5 | in the Mathemagenic Model | 893 |
| | (Spring 1973) for the Cohort II Entering First Sites | |
| C5-IIEF-5 | in the Direct Instruction Model | 326 |
| C7-IIEF-5 | in the Cognitive Curriculum Model | 443 |
| C8-IIEF-5 | in the Parent Education Model | 513 |
| C9-IIEF-5 | in the EDC Model | 583 |

| Table | | Page |
|---|---|---|
| | Proportion of Attrition and Descriptive Information | |
| C2-IIIK-6 | for the Responsive Education Model | 48 |
| C3-IIIK-6 | for the TEEM Model | 120 |
| C4-IIIK-6 | for the Bank Street Model | 192 |
| C5-IIIK-6 | for the Direct Instruction Model | 260 |
| C6-IIIK-6 | for the Behavior Analysis Model | 358 |
| C7-IIIK-6 | for the Cognitive Curriculum Model | 402 |
| C8-IIIK-6 | for the Parent Education Model | 472 |
| C9-IIIK-6 | for the EDC Model | 542 |
| C11-IIIK-6 | for the IELP Model | 616 |
| C12-IIIK-6 | for the ILM Model | 658 |
| C13-IIIK-6 | for the SEDL Model | 696 |
| C14-IIIK-6 | for the CLA Model | 740 |
| C15-IIIK-6 | for the Home-School Partnership Model | 778 |
| C16-IIIK-6 | for the Cal Process Model | 814 |
| C17-IIIK-6 | for the NSA Model | 856 |

Table Page

Adjusted Differences Between FT and NFT on the MAT Word Knowledge

for Cohort III Kindergarten Sites

C2-IIIK-7 in the Responsive Education Model 49
C3-IIIK-7 in the TEEM Model 121
C4-IIIK-7 in the Bank Street Model 193
C5-IIIK-7 in the Direct Instruction Model 261
C6-IIIK-7 in the Behavior Analysis Model 355
C7-IIIK-7 in the Cognitive Curriculum Model 403
C8-IIIK-7 in the Parent Education Model 473
C9-IIIK-7 in the EDC Model 543
C11-IIIK-7 in the IELP Model 617
C12-IIIK-7 in the ILM Model 659
C13-IIIK-7 in the SEDL Model 697
C14-IIIK-7 in the CLA Model 741
C15-IIIK-7 in the Home-School Partnership Model 779
C16-IIIK-7 in the Cal Process Model 815
C17-IIIK-7 in the NSA Model 857

for Cohort III Entering First Sites

C2-IIIEF-7 in the Responsive Education Model 92
C3-IIIEF-7 in the TEEM Model 164
C5-IIIEF-7 in the Direct Instruction Model 302
C18-IIIEF-7 in the Mathemagenic Model 894

for Cohort II Entering First Sites

C4-IIEF-7 in the Bank Street Model 233
C5-IIEF-7 in the Direct Instruction Model 327
C7-IIEF-7 in the Cognitive Curriculum Model 444
C8-IIEF-7 in the Parent Education Model 514
C9-IIEF-7 in the EDC Model 584

**Adjusted Differences Between FT and NFT on the MAT Spelling**

for Cohort III Kindergarten Sites

| Table | | Page |
|---|---|---|
| C2-IIIK-8 | in the Responsive Education Model | 50 |
| C3-IIIK-8 | in the TEEM Model | 122 |
| C4-IIIK-8 | in the Bank Street Model | 194 |
| C5-IIIK-8 | in the Direct Instruction Model | 262 |
| C6-IIIK-8 | in the Behavior Analysis Model | 356 |
| C7-IIIK-8 | in the Cognitive Curriculum Model | 404 |
| C8-IIIK-8 | in the Parent Education Model | 474 |
| C9-IIIK-8 | in the EDC Model | 544 |
| C11-IIIK-8 | in the IELP Model | 618 |
| C12-IIIK-8 | in the ILM Model | 660 |
| C13-IIIK-8 | in the SEDL Model | 698 |
| C14-IIIK-8 | in the CLA Model | 742 |
| C15-IIIK-8 | in the Home-School Partnership Model | 780 |
| C16-IIIK-8 | in the Cal Process Model | 816 |
| C17-IIIK-8 | in the NSA Model | 858 |

for Cohort III Entering First Sites

| Table | | Page |
|---|---|---|
| C2-IIIEF-8 | in the Responsive Education Model | 93 |
| C3-IIIEF-8 | in the TEEM Model | 165 |
| C5-IIIEF-8 | in the Direct Instruction Model | 303 |
| C18-IIIEF-8 | in the Mathemagenic Model | 895 |

for Cohort II Entering First Sites

| Table | | Page |
|---|---|---|
| C4-IIEF-8 | in the Bank Street Model | 234 |
| C5-IIEF-8 | in the Direct Instruction Model | 328 |
| C7-IIEF-8 | in the Cognitive Curriculum Model | 445 |
| C8-IIEF-8 | in the Parent Education Model | 515 |
| C9-IIEF-8 | in the EDC Model | 585 |

Table Page

Adjusted Differences Between FT and NFT on the MAT Language

for Cohort III Kindergarten Sites

C2-IIIK-9 in the Responsive Education Model 51
C3-IIIK-9 in the TEEM Model 123
C4-IIIK-9 in the Bank Street Model 195
C5-IIIK-9 in the Direct Instruction Model 263
C6-IIIK-9 in the Behavior Analysis Model 357
C7-IIIK-9 in the Cognitive Curriculum Model 405
C8-IIIK-9 in the Parent Education Model 475
C9-IIIK-9 in the EDC Model 545
C11-IIIK-9 in the IELP Model 619
C12-IIIK-9 in the ILM Model 661
C13-IIIK-9 in the SEDL Model 699
C14-IIIK-9 in the CLA Model 743
C15-IIIK-9 in the Home-School Partnership Model 781
C16-IIIK-9 in the Cal Process Model 817
C17-IIIK-9 in the NSA Model 850

for Cohort III Entering First Sites

C2-IIIEF-9 in the Responsive Education Model 94
C3-IIIEF-9 in the TEEM Model 166
C5-IIIEF-9 in the Direct Instruction Model 304
C18-IIIEF-9 in the Mathemagenic Model 896

for Cohort II Entering First Sites

C4-IIEF-9 in the Bank Street Model 235
C5-IIEF-9 in the Direct Instruction Model 329
C7-IIEF-9 in the Cognitive Curriculum Model 446
C8-IIEF-9 in the Parent Education Model 516
C9-IIEF-9 in the EDC Model 586

Table Page

## Adjusted Differences Between FT and NFT on the MAT Mathematics Computations

### for Cohort III Kindergarten Sites

C2-IIIK-10 in the Responsive Education Model 52
C3-IIIK-10 in the TEEM Model 124
C4-IIIK-10 in the Bank Street Model 196
C5-IIIK-10 in the Direct Instruction Model 264
C6-IIIK-10 in the Behavior Analysis Model 358
C7-IIIK-10 in the Cognitive Curriculum Model 406
C8-IIIK-10 in the Parent Education Model 476
C9-IIIK-10 in the EDC Model 546
C11-IIIK-10 in the IELP Model 620
C12-IIIK-10 in the ILM Model 662
C13-IIIK-10 in the SEDL Model 700
C14-IIIK-10 in the CLA Model 744
C15-IIIK-10 in the Home-School Partnership Model 782
C16-IIIK-10 in the Cal Process Model 818
C17-IIIK-10 in the NSA Model 860

### for Cohort III Entering First Sites

C2-IIIEF-10 in the Responsive Education Model 95
C3-IIIEF-10 in the TEEM Model 167
C5-IIIEF-10 in the Direct Instruction Model 305
C18-IIIEF-10 in the Mathemagenic Model 897

### for Cohort II Entering First Sites

C4-IIEF-10 in the Bank Street Model 236
C5-IIEF-10 in the Direct Instruction Model 330
C7-IIEF-10 in the Cognitive Curriculum Model 447
C8-IIEF-10 in the Parent Education Model 517
C9-IIEF-10 in the EDC Model 587

Table Page

### Adjusted Differences Between FT and NFT on the Raven's Progressive Matrices

for Cohort III Kindergarten Sites

C2-IIIK-11 in the Responsive Education Model 53
C3-IIIK-11 in the TEEM Model 125
C4-IIIK-11 in the Bank Street Model 197
C5-IIIK-11 in the Direct Instruction Model 265
C6-IIIK-11 in the Behavior Analysis Model 359
C7-IIIK-11 in the Cognitive Curriculum Model 407
C8-IIIK-11 in the Parent Education Model 477
C9-IIIK-11 in the EDC Model 547
C11-IIIK-11 in the IELP Model 621
C12-IIIK-11 in the ILM Model 663
C13-IIIK-11 in the SEDL Model 701
C14-IIIK-11 in the CLA Model 745
C15-IIIK-11 in the Home-School Partnership Model 783
C16-IIIK-11 in the Cal Process Model 819
C17-IIIK-11 in the NSA Model 861

for Cohort III Entering First Sites

C2-IIIEF-11 in the Responsive Education Model 96
C3-IIIEF-11 in the TEEM Model 168
C5-IIIEF-11 in the Direct Instruction Model 306
C18-IIIEF-11 in the Mathemagenic Model 898

for Cohort II Entering First Sites

C4-IIEF-11 in the Bank Street Model 237
C5-IIEF-11 in the Direct Instruction Model 331
C7-IIEF-11 in the Cognitive Curriculum Model 448
C8-IIEF-11 in the Parent Education Model 518
C9-IIEF-11 in the EDC Model 588

Table Page

Adjusted Differences Between FT and NFT on the MAT Reading

for Cohort III Kindergarten Sites

C2-IIIK-12 in the Responsive Education Model 54
C3-IIIK-12 in the TEEM Model 126
C4-IIIK-12 in the Bank Street Model 198
C5-IIIK-12 in the Direct Instruction Model 266
C6-IIIK-12 in the Behavior Analysis Model 360
C7-IIIK-12 in the Cognitive Curriculum Model 408
C8-IIIK-12 in the Parent Education Model 478
C9-IIIK-12 in the EDC Model 548
C11-IIIK-12 in the IELP Model 622
C12-IIIK-12 in the ILM Model 664
C13-IIIK-12 in the SEDL Model 702
C14-IIIK-12 in the CLA Model 746
C15-IIIK-12 in the Home-School Partnership Model 784
C16-IIIK-12 in the Cal Process Model 820
C17-IIIK-12 in the NSA Model 862

for Cohort III Entering First Sites

C2-IIIEF-12 in the Responsive Education Model 97
C3-IIIEF-12 in the TEEM Model 169
C5-IIIEF-12 in the Direct Instruction Model 307
C18-IIIEF-12 in the Mathemagenic Model 899

for Cohort II Entering First Sites

C4-IIEF-12 in the Bank Street Model 238
C5-IIEF-12 in the Direct Instruction Model 332
C7-IIEF-12 in the Cognitive Curriculum Model 449
C8-IIEF-12 in the Parent Education Model 519
C9-IIEF-12 in the EDC Model 589

Table Page

Adjusted Differences Between FT and NFT on the MAT Mathematics Concepts

for Cohort III Kindergarten Sites

C2-IIIK-13 in the Responsive Education Model 55
C3-IIIK-13 in the TEEM Model 127
C4-IIIK-13 in the Bank Street Model 199
C5-IIIK-13 in the Direct Instruction Model 267
C6-IIIK-13 in the Behavior Analysis Model 361
C7-IIIK-13 in the Cognitive Curriculum Model 409
C8-IIIK-13 in the Parent Education Model 479
C9-IIIK-13 in the EDC Model 549
C11-IIIK-13 in the IELP Model 623
C12-IIIK-13 in the ILM Model 665
C13-IIIK-13 in the SEDL Model 703
C14-IIIK-13 in the CLA Model 747
C15-IIIK-13 in the Home-School Partnership Model 785
C16-IIIK-13 in the Cal Process Model 821
C17-IIIK-13 in the NSA Model 863

for Cohort III Entering First Sites

C2-IIIEF-13 in the Responsive Education Model 98
C3-IIIEF-13 in the TEEM Model 170
C5-IIIEF-13 in the Direct Instruction Model 308
C18-IIIEF-13 in the Mathemagenic Model 900

for Cohort II Entering First Sites

C4-IIEF-13 in the Bank Street Model 239
C5-IIEF-13 in the Direct Instruction Model 333
C7-IIEF-13 in the Cognitive Curriculum Model 450
C8-IIEF-13 in the Parent Education Model 520
C9-IIEF-13 in the EDC Model 590

Table Page

Adjusted Differences Between FT and NFT on the MAT Mathematics Problem-Solving

for Cohort III Kindergarten Sites

C2-IIIK-14 in the Responsive Education Model 56
C3-IIIK-14 in the TEEM Model 128
C4-IIIK-14 in the Bank Street Model 200
C5-IIIK-14 in the Direct Instruction Model 268
C6-IIIK-14 in the Behavior Analysis Model 362
C7-IIIK-14 in the Cognitive Curriculum Model 410
C8-IIIK-14 in the Parent Education Model 480
C9-IIIK-14 in the EDC Model 550
C11-IIIK-14 in the IELP Model 624
C12-IIIK-14 in the ILM Model 666
C13-IIIK-14 in the SEDL Model 704
C14-IIIK-14 in the CLA Model 748
C15-IIIK-14 in the Home-School Partnership Model 786
C16-IIIK-14 in the Cal Process Model 822
C17-IIIK-14 in the NSA Model 864

for Cohort III Entering First Sites

C2-IIIEF-14 in the Responsive Education Model 99
C3-IIIEF-14 in the TEEM Model 171
C5-IIIEF-14 in the Direct Instruction Model 309
C18-IIIEF-14 in the Mathemagenic Model 901

for Cohort II Entering First Sites

C4-IIEF-14 in the Bank Street Model 240
C5-IIEF-14 in the Direct Instruction Model 334
C7-IIEF-14 in the Cognitive Curriculum Model 451
C8-IIEF-14 in the Parent Education Model 521
C9-IIEF-14 in the EDC Model 591

Table Page

Adjusted Differences Between FT and NFT on the Coopersmith Self-Esteem Inventory

for Cohort III Kindergarten Sites

C2-IIIK-15 in the Responsive Education Model 57
C3-IIIK-15 in the TEEM Model 129
C4-IIIK-15 in the Bank Street Model 201
C5-IIIK-15 in the Direct Instruction Model 269
C6-IIIK-15 in the Behavior Analysis Model 363
C7-IIIK-15 in the Cognitive Curriculum Model 411
C8-IIIK-15 in the Parent Education Model 481
C9-IIIK-15 in the EDC Model 551
C11-IIIK-15 in the IELP Model 625
C12-IIIK-15 in the ILM Model 667
C13-IIIK-15 in the SEDL Model 705
C14-IIIK-15 in the CLA Model 749
C15-IIIK-15 in the Home-School Partnership Model 787
C16-IIIK-15 in the Cal Process Model 823
C17-IIIK-15 in the NSA Model 865

for Cohort III Entering First Sites

C2-IIIEF-15 in the Responsive Education Model 100
C3-IIIEF-15 in the TEEM Model 172
C5-IIIEF-15 in the Direct Instruction Model 310
C18-IIIEF-15 in the Mathemagenic Model 902

for Cohort II Entering First Sites

C4-IIEF-15 in the Bank Street Model 241
C5-IIEF-15 in the Direct Instruction Model 335
C7-IIEF-15 in the Cognitive Curriculum Model 452
C8-IIEF-15 in the Parent Education Model 522
C9-IIEF-15 in the EDC Model 592

Table Page

Adjusted Differences Between FT and NFT on the Intellectual Achievement Responsibility Scale-Positive

for Cohort III Kindergarten Sites

C2-IIIK-17 in the Responsive Education Model 59
C3-IIIK-17 in the TEEM Model 131
C4-IIIK-17 in the Bank Street Model 203
C5-IIIK-17 in the Direct Instruction Model 271
C6-IIIK-17 in the Behavior Analysis Model 365
C7-IIIK-17 in the Cognitive Curriculum Model 413
C8-IIIK-17 in the Parent Education Model 483
C9-IIIK-17 in the EDC Model 553
C11-IIIK-17 in the IELP Model 627
C12-IIIK-17 in the ILM Model 669
C13-IIIK-17 in the SEDL Model 707
C14-IIIK-17 in the CLA Model 751
C15-IIIK-17 in the Home-School Partnership Model 789
C16-IIIK-17 in the Cal Process Model 825
C17-IIIK-17 in the NSA Model 867

for Cohort III Entering First Sites

C2-IIIEF-17 in the Responsive Education Model 102
C3-IIIEF-17 in the TEEM Model 174
C5-IIIEF-17 in the Direct Instruction Model 312
C18-IIIEF-12 in the Mathemagenic Model 904

for Cohort II Entering First Sites

C4-IIEF-17 in the Bank Street Model 243
C5-IIEF-17 in the Direct Instruction Model 337
C7-IIEF-17 in the Cognitive Curriculum Model 454
C8-IIEF-17 in the Parent Education Model 524
C9-IIEF-17 in the EDC Model 594

| Table | | Page |
|---|---|---|
| | Adjusted Differences Between FT and NFT on the MAT Total Reading | |
| | for Cohort III Kindergarten Sites | |
| C2-IIIK-18 | in the Responsive Education Model | 60 |
| C3-IIIK-18 | in the TEEM Model | 132 |
| C4-IIIK-18 | in the Bank Street Model | 204 |
| C5-IIIK-18 | in the Direct Instruction Model | 272 |
| C6-IIIK-18 | in the Behavior Analysis Model | 366 |
| C7-IIIK-18 | in the Cognitive Curriculum Model | 414 |
| C8-IIIK-18 | in the Parent Education Model | 484 |
| C9-IIIK-18 | in the EDC Model | 554 |
| C11-IIIK-18 | in the IELP Model | 628 |
| C12-IIIK-18 | in the ILM Model | 670 |
| C13-IIIK-18 | in the SEDL Model | 708 |
| C14-IIIK-18 | in the CLA Model | 752 |
| C15-IIIK-18 | in the Home-School Partnership Model | 790 |
| C16-IIIK-18 | in the Cal Process Model | 826 |
| C17-IIIK-18 | in the NSA Model | 868 |
| | for Cohort III Entering First Sites | |
| C2-IIIEF-18 | in the Responsive Education Model | 103 |
| C3-IIIEF-18 | in the TEEM Model | 175 |
| C5-IIIEF-18 | in the Direct Instruction Model | 313 |
| C18-IIIEF-18 | in the Mathemagenic Model | 905 |
| | for Cohort II Entering First Sites | |
| C4-IIEF-18 | in the Bank Street Model | 244 |
| C5-IIEF-18 | in the Direct Instruction Model | 338 |
| C7-IIEF-18 | in the Cognitive Curriculum Model | 455 |
| C8-IIEF-18 | in the Parent Education Model | 525 |
| C9-IIEF-18 | in the EDC Model | 595 |

| Table | | Page |
|---|---|---|

Adjusted Differences Between FT and NFT on the MAT Total Math

for Cohort III Kindergarten Sites

| | | |
|---|---|---|
| C2-IIIK-19 | in the Responsive Education Model | 61 |
| C3-IIIK-19 | in the TEEM Model | 133 |
| C4-IIIK-19 | in the Bank Street Model | 205 |
| C5-IIIK-19 | in the Direct Instruction Model | 273 |
| C6-IIIK-19 | in the Behavior Analysis Model | 367 |
| C7-IIIK-19 | in the Cognitive Curriculum Model | 415 |
| C8-IIIK-19 | in the Parent Education Model | 485 |
| C9-IIIK-19 | in the EDC Model | 555 |
| C11-IIIK-19 | in the IELP Model | 629 |
| C12-IIIK-19 | in the ILM Model | 671 |
| C13-IIIK-19 | in the SEDL Model | 709 |
| C14-IIIK-19 | in the CLA Model | 753 |
| C15-IIIK-19 | in the Home-School Partnership Model | 791 |
| C16-IIIK-19 | in the Cal Process Model | 827 |
| C17-IIIK-19 | in the NSA Model | 869 |

for Cohort III Entering First Sites

| | | |
|---|---|---|
| C2-IIIEF-19 | in the Responsive Education Model | 104 |
| C3-IIIEF-19 | in the TEEM Model | 176 |
| C5-IIIEF-19 | in the Direct Instruction Model | 314 |
| C18-IIIEF-19 | in the Mathemagenic Model | 906 |

for Cohort II Entering First Sites

| | | |
|---|---|---|
| C4-IIEF-19 | in the Bank Street Model | 245 |
| C5-IIEF-19 | in the Direct Instruction Model | 339 |
| C7-IIEF-19 | in the Cognitive Curriculum Model | 456 |
| C8-IIEF-19 | in the Parent Education Model | 526 |
| C9-IIEF-19 | in the EDC Model | 596 |

**Table** **Page**

Adjusted Differences Between FT and NFT on the MAT Language Part A

for Cohort III Kindergarten Sites

| | | |
|---|---|---|
| C2-IIIK-20 | in the Responsive Education Model | 62 |
| C3-IIIK-20 | in the TEEM Model | 134 |
| C4-IIIK-20 | in the Bank Street Model | 206 |
| C5-IIIK-20 | in the Direct Instruction Model | 274 |
| C6-IIIK-20 | in the Behavior Analysis Model | 368 |
| C7-IIIK-20 | in the Cognitive Curriculum Model | 416 |
| C8-IIIK-20 | in the Parent Education Model | 486 |
| C9-IIIK-20 | in the EDC Model | 556 |
| C11-IIIK-20 | in the IELP Model | 630 |
| C12-IIIK-20 | in the ILM Model | 672 |
| C13-IIIK-20 | in the SEDL Model | 710 |
| C14-IIIK-20 | in the CLA Model | 754 |
| C15-IIIK-20 | in the Home-School Partnership Model | 792 |
| C16-IIIK-20 | in the Cal Process Model | 828 |
| C17-IIIK-20 | in the NSA Model | 870 |

for Cohort III Entering First Sites

| | | |
|---|---|---|
| C2-IIIEF-20 | in the Responsive Education Model | 105 |
| C3-IIIEF-20 | in the TEEM Model | 177 |
| C5-IIIEF-20 | in the Direct Instruction Model | 315 |
| C18-IIIEF-20 | in the Mathemagenic Model | 907 |

for Cohort II Entering First Sites

| | | |
|---|---|---|
| C4-IIEF-20 | in the Bank Street Model | 246 |
| C5-IIEF-20 | in the Direct Instruction Model | 340 |
| C7-IIEF-20 | in the Cognitive Curriculum Model | 457 |
| C8-IIEF-20 | in the Parent Education Model | 527 |
| C9-IIEF-20 | in the EDC Model | 597 |

Table Page

Adjusted Differences Between FT and NFT on the MAT Language Part B

for Cohort III Kindergarten Sites

C2-IIIK-21 in the Responsive Education Model 63
C3-IIIK-21 in the TEEM Model 135
C4-IIIK-21 in the Bank Street Model 207
C5-IIIK-21 in the Direct Instruction Model 275
C6-IIIK-21 in the Behavior Analysis Model 369
C7-IIIK-21 in the Cognitive Curriculum Model 417
C8-IIIK-21 in the Parent Education Model 487
C9-IIIK-21 in the EDC Model 557
C11-IIIK-21 in the IELP Model 621
C12-IIIK-21 in the ILM Model 673
C13-IIIK-21 in the SEDL Model 711
C14-IIIK-21 in the CLA Model 755
C15-IIIK-21 in the Home-School Partnership Model 793
C16-IIIK-21 in the Cal Process Model 829
C17-IIIK-21 in the NSA Model 871

for Cohort III Entering First Sites

C2-IIIEF-21 in the Responsive Education Model 106
C3-IIIEF-21 in the TEEM Model 178
C5-IIIEF-21 in the Direct Instruction Model 316
C18-IIIEF-21 in the Mathemagenic Model 908

for Cohort II Entering First Sites

C4-IIEF-21 in the Bank Street Model 247
C5-IIEF-21 in the Direct Instruction Model 341
C7-IIEF-21 in the Cognitive Curriculum Model 458
C8-IIEF-21 in the Parent Education Model 528
C9-IIEF-21 in the EDC Model 598

Table Page

Standardized Scores for MAT Reading, Mathematics, Language and Spelling Subtests

Cohort III Kindergarten Children

C2-IIIK-22 for the Responsive Education Model 64
C3-IIIK-22 for the TEEM Model 136
C4-IIIK-22 for the Bank Street Model 208
C5-IIIK-22 for the Direct Instruction Model 276
C6-IIIK-22 for the Behavior Analysis Model 370
C7-IIIK-22 for the Cognitive Curriculum Model 418
C8-IIIK-22 for the Parent Education Model 388
C9-IIIK-22 for the EDC Model 558
C11-IIIK-22 for the IELP Model 632
C12-IIIK-22 for the ILM Model 674
C13-IIIK-22 for the SEDL Model 712
C14-IIIK-22 for the CLA Model 756
C15-IIIK-22 for the Home-School Partnership Model 794
C16-IIIK-22 for the Cal Process Model 820
C17-IIIK-22 for the NSA Model 872

Cohort III Kindergarten Children with Head Start

C2-IIIK(PS)-22 for the Responsive Education Model 65
C3-IIIK(PS)-22 for the TEEM Model 137
C4-IIIK(PS)-22 for the Bank Street Model 209
C5-IIIK(PS)-22 for the Direct Instruction Model 277
C6-IIIK(PS)-22 for the Behavior Analysis Model 371
C7-IIIK(PS)-22 for the Cognitive Curriculum Model 419
C8-IIIK(PS)-22 for the Parent Education Model 489
C9-IIIK(PS)-22 for the EDC Model 559
C11-IIIK(PS)-22 for the IELP Model 633
C12-IIIK(PS)-22 for the ILM Model 675
C13-IIIK(PS)-22 for the SEDL Model 713
C14-IIIK(PS)-22 for the CLA Model 757
C15-IIIK(PS)-22 for the Home-School Partnership Model 795
C16-IIIK(PS)-22 for the Cal Process Model 831
C17-IIIK(PS)-22 for the NSA Model 873

| Table | | Page |
|---|---|---|
| | Standardized Scores for MAT Reading, Mathematics, Language and Spelling Subtests (cont.) | |
| | Cohort III Entering First Sites | |
| C2-IIIEF-22 | in the Responsive Education Model | 107 |
| C3-IIIEF-22 | in the TEEM Model | 179 |
| C5-IIIEF-22 | in the Direct Instruction Model | 317 |
| C18-IIIEF-22 | in the Mathemagenic Model | 909 |
| | Cohort II Entering First Sites | |
| C4-IIEF-22 | in the Bank Street Model | 248 |
| C5-IIEF-22 | in the Direct Instruction Model | 342 |
| C7-IIEF-22 | in the Cognitive Curriculum Model | 459 |
| C8-IIEF-22 | in the Parent Education Model | 529 |
| C9-IIEF-22 | in the EDC Model | 599 |

**Table** **Page**

**Means and Standard Deviations for the Covariates Used in the Analytic Sample**

of the Cohort III Kindergarten Children

| Table | | Page |
|---|---|---|
| C2-IIIK-23 | for the Responsive Education Model | 66 |
| C3-IIIK-23 | for the TEEM Model | 138 |
| C4-IIIK-23 | for the Bank Street Model | 210 |
| C5-IIIK-23 | for the Direct Instruction Model | 278 |
| C6-IIIK-23 | for the Behavior Analysis Model | 372 |
| C7-IIIK-23 | for the Cognitive Curriculum Model | 420 |
| C8-IIIK-23 | for the Parent Education Model | 490 |
| C9-IIIK-23 | for the EDC Model | 560 |
| C11-IIIK-23 | for the IELP Model | 634 |
| C12-IIIK-23 | for the ILM Model | 676 |
| C13-IIIK-23 | for the SEDL Model | 714 |
| C14-IIIK-23 | for the CLA Model | 758 |
| C15-IIIK-23 | for the Home-School Partnership Model | 796 |
| C16-IIIK-23 | for the Cal Process Model | 832 |
| C17-IIIK-23 | for the NSA Model | 874 |

of the Cohort III Entering First Sites

| Table | | Page |
|---|---|---|
| C2-IIIEF-23 | in the Responsive Education Model | 108 |
| C3-IIIEF-23 | in the TEEM Model | 180 |
| C5-IIIEF-23 | in the Direct Instruction Model | 318 |
| C18-IIIEF-23 | in the Mathemagenic Model | 910 |

of the Cohort II Entering First Sites

| Table | | Page |
|---|---|---|
| C4-IIEF-23 | in the Bank Street Model | 249 |
| C5-IIEF-23 | in the Direct Instruction Model | 343 |
| C7-IIEF-23 | in the Cognitive Curriculum Model | 460 |
| C8-IIEF-23 | in the Parent Education Model | 530 |
| C9-IIEF-23 | in the EDC Model | 600 |

Table | | Page

**Means and Standard Deviations for the Outcome Means**

for the Cohort III Kindergarten Children

| Table | | Page |
|---|---|---|
| C2-IIIK-24 | in the Responsive Education Model | 67 |
| C3-IIIK-24 | in the TEEM Model | 139 |
| C4-IIIK-24 | in the Bank Street Model | 211 |
| C5-IIIK-24 | in the Direct Instruction Model | 279 |
| C6-IIIK-24 | in the Behavior Analysis Model | 373 |
| C7-IIIK-24 | in the Cognitive Curriculum Model | 421 |
| C8-IIIK-24 | in the Parent Education Model | 491 |
| C9-IIIK-24 | in the EDC Model | 561 |
| C11-IIIK-24 | in the IELP Model | 635 |
| C12-IIIK-24 | in the ILM Model | 677 |
| C13-IIIK-24 | in the SEDL Model | 715 |
| C14-IIIK-24 | in the CLA Model | 759 |
| C15-IIIK-24 | in the Home-School Partnership Model | 797 |
| C16-IIIK-24 | in the Cal Process Model | 833 |
| C17-IIIK-24 | in the NSA Model | 875 |

Cohort III Entering First Sites

| Table | | Page |
|---|---|---|
| C2-IIIEF-24 | in the Responsive Education Model | 109 |
| C3-IIIEF-24 | in the TEEM Model | 181 |
| C5-IIIEF-24 | in the Direct Instruction Model | 319 |
| C18-IIIEF-24 | in the Mathemagenic Model | 911 |

Cohort II Entering First Sites

| Table | | Page |
|---|---|---|
| C4-IIEF-24 | in the Bank Street Model | 250 |
| C5-IIEF-24 | in the Direct Instruction Model | 344 |
| C7-IIEF-24 | in the Cognitive Curriculum Model | 461 |
| C8-IIEF-24 | in the Parent Education Model | 531 |
| C9-IIEF-24 | in the EDC Model | 601 |

Table | Page

*Regression Coefficients for the Covariates Included*

in the Cohort III-K Local Analyses

C2-IIIK-25 for the Responsive Education Model 68
C3-IIIK-25 for the TEEM Model 140
C4-IIIK-25 for the Bank Street Model 212
C5-IIIK-25 for the Direct Instruction Model 280
C6-IIIK-25 for the Behavior Analysis Model 374
C7-IIIK-25 for the Cognitive Curriculum Model 422
C8-IIIK-25 for the Parent Education Model 492
C9-IIIK-25 for the EDC Model 562
C11-IIIK-25 for the IELP Model 636
C12-IIIK-25 for the ILM Model 678
C13-IIIK-25 for the SEDL Model 716
C14-IIIK-25 for the CLA Model 760
C15-IIIK-25 for the Home-School Partnership Model 798
C16-IIIK-25 for the Cal Process Model 834
C17-IIIK-25 for the NSA Model 876

in the Cohort III-K Preschool Adjusted Local Analyses

C2-IIIK(PS)-25 for the Responsive Education Model 70
C3-IIIK(PS)-25 for the TEEM Model 142
C4-IIIK(PS)-25 for the Bank Street Model 214
C5-IIIK(PS)-25 for the Direct Instruction Model 282
C6-IIIK(PS)-25 for the Behavior Analysis Model 376
C7-IIIK(PS)-25 for the Cognitive Curriculum Model 424
C8-IIIK(PS)-25 for the Parent Education Model 494
C9-IIIK(PS)-25 for the EDC Model 564
C11-IIIK(PS)-25 for the IELP Model 638
C12-IIIK(PS)-25 for the ILM Model 680
C13-IIIK(PS)-25 for the SEDL Model 718
C14-IIIK(PS)-25 for the CLA Model 762
C15-IIIK(PS)-25 for the Home-School Partnership Model 800
C16-IIIK(PS)-25 for the Cal Process Model 836
C17-IIIK(PS)-25 for the NSA Model 878

Table Page

Regression Coefficients for the Covariates Included (cont.)

in the Cohort III-EF Local Analyses

C2-IIIEF-25 for the Responsive Education Model 110
C3-IIIEF-25 for the TEEM Model 182
C5-IIIEF-25 for the Direct Instruction Model 320
C18-IIIEF-25 for the Mathemagenic Model 912

in the Cohort II-EF Local Analyses

C4-IIEF-25 for the Bank Street Model 251
C5-IIEF-25 for the Direct Instruction Model 345
C7-IIEF-25 for the Cognitive Curriculum Model 462
C8-IIEF-25 for the Parent Education Model 532
C9-IIEF-25 for the EDC Model 602

Table Page

### Treatment Regression Coefficients and Standard Errors by Outcome for Head Start Studies of Cohort III-K Sites

C2-IIIK(PS)-26 in the Responsive Education Model 72
C3-IIIK(PS)-26 in the TEEM Model 144
C4-IIIK(PS)-26 in the Bank Street Model 216
C5-IIIK(PS)-26 in the Direct Instruction Model 284
C6-IIIK(PS)-26 in the Behavior Analysis Model 378
C7-IIIK(PS)-26 in the Cognitive Curriculum Model 426
C8-IIIK(PS)-26 in the Parent Education Model 496
C9-IIIK(PS)-26 in the EDC Model 575
C11-IIIK(PS)-26 in the IELP Model 640
C12-IIIK(PS)-26 in the ILM Model 682
C13-IIIK(PS)-26 in the SEDL Model 720
C14-IIIK(PS)-26 in the CLA Model 764
C15-IIIK(PS)-26 in the Home-School Partnership Model 802
C16-IIIK(PS)-26 in the Cal Process Model 838
C17-IIIK(PS)-26 in the NSA Model 880

Table Page

Background Variables for FT and NFT Children in Cohort III-K Preschool Sample

C2-IIIK(PS)-27 for Responsive Education Model 73
C3-IIIK(PS)-27 for TEEM Model 145
C4-IIIK(PS)-27 for Bank Street Model 217
C5-IIIK(PS)-27 for Direct Instruction Model 285
C6-IIIK(PS)-27 for Behavior Analysis Model 379
C7-IIIK(PS)-27 for Cognitive Curriculum Model 427
C8-IIIK(PS)-27 for Parent Education Model 497
C9-IIIK(PS)-27 for EDC Model 567
C11-IIIK(PS)-27 for IELP Model 641
C12-IIIK(PS)-27 for ILM Model 683
C13-IIIK(PS)-27 for SEDL Model 721
C14-IIIK(PS)-27 for CLA Model 765
C15-IIIK(PS)-27 for Home-School Partnership Model 803
C16-IIIK(PS)-27 for Cal Process Model 839
C17-IIIK(PS)-27 for NSA Model 881

Table Page

Background Variables for FT and NFT Children in Cohort III-K Preschool Sample

C2-IIIK(PS)-28 for Responsive Education Model
in Buffalo, NY 74
in Duluth, MN 75
in Fresno, CA 76
in St. Louis, MO 77
in Salt Lake City, UT 78
in Tacoma, WA 79

C3-IIIK(PS)-28 for TEEM Model
in Chicasha, OK 146
in Des Moines, IA 147
in Lakewood, NJ 148
in Newark, NJ 149
in Lincoln, NB 150
in Wichita, KS 151

C4-IIIK(PS)-28 for Bank Street Model
in New York, NY 218
in Philadelphia, PA 219
in Brattleboro, VT 220
in Fall River, MA 221
in New Haven, CT 222

C5-IIIK(PS)-28 for Direct Instruction Model
in New York, NY 286
in Grand Rapids, MI 287
in W. Iron Co., MI 288
in Flint, MI 289
in Providence, RI 290

Table | Page

Background Variables for FT and NFT Children in Cohort III-K Preschool Sample (cont.)

C6-IIIK(PS)-28 for Behavior Analysis Model
in New York, NY 380
in Philadelphia, PA 381
in Portageville, MO 382
in Trenton, NJ 383
in Kansas City, MO 384
in Louisville, KY 385
in Waukegan, IL 386

C7-IIIK(PS)-28 for Cognitive Curriculum Model
in New York, NY 428
in Okaloosa Co., FL 429
in Greeley, CO 430
in Seattle, WA 431
in Chicago, IL 432

C8-IIIK(PS)-28 for Parent Education Model
in Philadelphia, PA 498
in Richmond, VA 499
in Yakima, WA 500
in Houston, TX 501
in Lawrenceburg, IN 502

C9-IIIK(PS)-28 for EDC Model
in Philadelphia, PA 568
in Burlington, VT 569
in Lackawanna Co., PA 570
in Morgan Comm. Sch., DC 571
in Paterson, NJ 572

C11-IIIK(PS)-28 for IELP Model
in Lock Haven, PA 642
in Montevideo, MN 643
in Akron, OH 644

Table | Page

## Background Variables for FT and NFT Children in Cohort III-K Preschool Sample (cont.)

C12-IIIK(PS)-28 for ILM Model
in New York, NY 684
in Atlanta, GA 685

C13-IIIK(PS)-28 for SEDL Model
in Philadelphia, PA 722
in Los Angeles, CA 723
in Tulare, CA 724
in St. Martin Parish, LA 725
in San Diego, TX 726

C14-IIIK(PS)-28 for CLA Model
in Chicago, IL 766
in Topeka, KS 767

C15-IIIK(PS)-28 for Home-School Partnership Model
in New York, NY 804

C16-IIIK(PS)-28 for Cal Process Model
in Los Angeles, CA 840
in Ravenswood, CA 841
in Oakland, CA 842
in San Jose, CA 843

C17-IIIK(PS)-28 for NSA Model
in Great Falls, MT 882
in Clear Lake, WA 883

Means and Standard Deviations of the Outcome Measures for FT and NFT Children in Cohort III-K Preschool Sample

| Table | | Page |
|---|---|---|
| C2-IIIK(PS)-29 | for Responsive Education Model | 80 |
| C3-IIIK(PS)-29 | for TEEM Model | 152 |
| C4-IIIK(PS)-29 | for Bank Street Model | 223 |
| C5-IIIK(PS)-29 | for Direct Instruction Model | 291 |
| C6-IIIK(PS)-29 | for Behavior Analysis Model | 387 |
| C7-IIIK(PS)-29 | for Cognitive Curriculum Model | 433 |
| C8-IIIK(PS)-29 | for Parent Education Model | 503 |
| C9-IIIK(PS)-29 | for EDC Model | 573 |
| C11-IIIK(PS)-29 | for IELP Model | 645 |
| C12-IIIK(PS)-29 | for ILM Model | 686 |
| C13-IIIK(PS)-29 | for SEDL Model | 727 |
| C14-IIIK(PS)-29 | for CLA Model | 768 |
| C15-IIIK(PS)-29 | for Home-School Partnership Model | 805 |
| C16-IIIK(PS)-29 | for Cal Process Model | 844 |
| C17-IIIK(PS)-29 | for NSA Model | 884 |

Means and Standard Deviations of the Outcome Measures for FT and NFT Children in Cohort III-K Preschool Sample

| Table | | Page |
|---|---|---|
| C2-IIIK(PS)-30 | for Responsive Education Model | |
| | in Buffalo, NY | 81 |
| | in Duluth, MN | 82 |
| | in Fresno, CA | 83 |
| | in St. Louis, MO | 84 |
| | in Salt Lake City, UT | 85 |
| | in Tacoma, WA | 86 |
| C3-IIIK(PS)-30 | for TEEM Model | |
| | in Chicasha, OK | 153 |
| | in Des Moines, IA | 154 |
| | in Lakewood, NJ | 155 |
| | in Newark, NJ | 156 |
| | in Lincoln, NB | 157 |
| | in Wichita, KS | 158 |
| C4-IIIK(PS)-30 | for Bank Street Model | |
| | in New York, NY | 224 |
| | in Philadelphia, PA | 225 |
| | in Brattleboro, VT | 226 |
| | in Fall River, MA | 227 |
| | in New Haven, CT | 228 |
| C5-IIIK(PS)-30 | for Direct Instruction Model | |
| | in New York, NY | 292 |
| | in Grand Rapids, MI | 293 |
| | in W. Iron Co., MI | 294 |
| | in Flint, MI | 295 |
| | in Providence, RI | 296 |

| Table | | Page |
|---|---|---|
| | Means and Standard Deviations of the Outcome Measures for FT and NFT Children in Cohort III-K Preschool Sample (cont.) | |
| C6-IIIK(PS)-30 | for Behavior Analysis Model | |
| | in New York, NY | 388 |
| | in Philadelphia, PA | 389 |
| | in Portageville, MO | 390 |
| | in Trenton, NJ | 391 |
| | in Kansas City, MO | 392 |
| | in Louisville, KY | 393 |
| | in Waukegan, IL | 394 |
| C7-IIIK(PS)-30 | for Cognitive Curriculum Model | |
| | in New York, NY | 434 |
| | in Okaloosa Co., FL | 435 |
| | in Greeley, CO | 436 |
| | in Seattle, WA | 437 |
| | in Chicago, IL | 438 |
| C8-IIIK(PS)-30 | for Parent Education Model | |
| | in Philadelphia, PA | 504 |
| | in Richmond, VA | 505 |
| | in Yakima, WA | 506 |
| | in Houston, TX | 507 |
| | in Lawrenceburg, IN | 508 |
| C9-IIIK(PS)-30 | for EDC Model | |
| | in Philadelphia, PA | 574 |
| | in Burlington, VT | 575 |
| | in Lackawanna Co., PA | 576 |
| | in Morgan Comm. Sch., DC | 577 |
| | in Paterson, NJ | 578 |
| C11-IIIK(PS)-30 | for IELP Model | |
| | in Lock Haven, PA | 646 |
| | in Montevideo, MN | 647 |
| | in Akron, OH | 648 |

Table Page

Means and Standard Deviations of the Outcome Measures for FT and NFT Children in Cohort III-K Preschool Sample (cont.)

C12-IIIK(PS)-30 for ILM Model
in New York, NY 687
in Atlanta, GA 688

C13-IIIK(PS)-30 for SEDL Model
in Philadelphia, PA 728
in Los Angeles, CA 729
in Tulare, CA 730
in St. Martin Parish, LA 731
in San Diego, TX 732

C14-IIIK(PS)-30 for CLA Model
in Chicago, IL 769
in Topeka, KS 770

C15-IIIK(PS)-30 for Home-School Partnership Model
in New York, NY 806

C16-IIIK(PS)-30 for Cal Process Model
in Los Angeles, CA 845
in Ravenswood, CA 846
in Oakland, CA 847
in San Jose, CA 848

C17-IIIK(PS)-30 for NSA Model
in Great Falls, MT 885
in Clear Lake, WA 886

## Table C1-1

### DISTRIBUTION OF HOUSEHOLD INCOME BY FT/NFT FOR COHORT III KINDERGARTEN ANALYTIC SAMPLE

| | | Responsive Education | | TEEM | | Bank Street | | Direct Instruction | | Behavior Analysis | | Cognitive Curriculum | | Parent Education | | EDC | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| $1500 | Percent | 4.0 | 5.9 | 4.7 | 3.5 | 7.0 | 7.2 | 9.9 | 5.6 | 12.1 | 11.0 | 10.4 | 6.4 | 9.0 | 10.0 | 5.1 | 6.0 |
| | Number | 7 | 15 | 10 | 8 | 11 | 12 | 16 | 10 | 43 | 31 | 16 | 14 | 16 | 17 | 11 | 11 |
| $2000 | Percent | 10.4 | 5.5 | 5.1 | 1.8 | 7.6 | 1.8 | 11.7 | 1.7 | 13.0 | 5.7 | 15.6 | 6.4 | 9.0 | 4.7 | 7.9 | 3.8 |
| | Number | 18 | 11 | 11 | 4 | 12 | 3 | 19 | 3 | 46 | 16 | 24 | 14 | 16 | 8 | 17 | 7 |
| $2500 | Percent | 16.2 | 8.3 | 8.8 | 3.1 | 10.1 | 4.8 | 17.3 | 6.1 | 10.2 | 9.6 | 11.0 | 6.8 | 10.7 | 3.5 | 4.6 | 4.9 |
| | Number | 28 | 21 | 19 | 7 | 16 | 8 | 28 | 11 | 36 | 27 | 17 | 15 | 19 | 6 | 10 | 9 |
| $3200 | Percent | 11.6 | 4.0 | 8.4 | 4.8 | 7.6 | 9.0 | 11.1 | 3.3 | 9.6 | 8.2 | 11.7 | 9.5 | 7.3 | 6.5 | 8.3 | 6.0 |
| | Number | 20 | 10 | 18 | 11 | 12 | 15 | 18 | 6 | 34 | 23 | 18 | 21 | 13 | 11 | 18 | 11 |
| $3800 | Percent | 2.9 | 5.5 | 4.7 | 2.2 | 3.8 | 4.8 | 6.8 | 5.0 | 6.5 | 3.9 | 7.8 | 2.7 | 3.9 | 2.9 | 4.6 | 2.7 |
| | Number | 5 | 14 | 10 | 5 | 6 | 8 | 11 | 9 | 23 | 11 | 12 | 6 | 7 | 5 | 10 | 5 |
| $4200 | Percent | 2.3 | 1.2 | 6.0 | 3.5 | 2.5 | 1.8 | 4.3 | 3.3 | 3.1 | 3.2 | 2.6 | 3.2 | 4.5 | 2.4 | 4.6 | 1.6 |
| | Number | 4 | 3 | 13 | 8 | 4 | 3 | 7 | 6 | 11 | 9 | 4 | 7 | 8 | 4 | 10 | 3 |
| $4400 | Percent | 3.5 | 2.0 | 2.3 | 2.2 | 1.3 | 2.4 | 4.9 | 3.3 | 2.3 | 2.8 | 3.2 | 2.7 | 3.9 | 2.4 | 2.8 | 3.3 |
| | Number | 6 | 5 | 5 | 5 | 2 | 4 | 8 | 6 | 8 | 8 | 5 | 6 | 7 | 4 | 6 | 6 |
| $4700 | Percent | 7.5 | 2.0 | 4.7 | 1.3 | 3.8 | 1.2 | 2.5 | 3.9 | 3.7 | 1.1 | 2.6 | 5.5 | 1.7 | .6 | 2.8 | 4.4 |
| | Number | 13 | 5 | 10 | 3 | 6 | 2 | 4 | 7 | 13 | 3 | 4 | 12 | 3 | 1 | 6 | 8 |
| $5000 | Percent | 4.6 | 3.2 | 4.2 | 3.9 | 5.1 | 3.6 | 4.3 | 3.9 | 4.0 | 2.1 | 3.9 | 5.0 | 3.4 | 2.4 | 5.6 | 4.9 |
| | Number | 8 | 8 | 9 | 9 | 8 | 6 | 7 | 7 | 14 | 6 | 6 | 11 | 6 | 4 | 12 | 9 |
| $5200 | Percent | 1.7 | 1.6 | 7.0 | 3.1 | 6.3 | 3.6 | 3.1 | 2.8 | 3.7 | 3.2 | 3.2 | 4.5 | 3.4 | 2.4 | 4.6 | 4.4 |
| | Number | 3 | 4 | 15 | 7 | 10 | 6 | 5 | 5 | 13 | 9 | 5 | 10 | 6 | 4 | 10 | 8 |
| $5700 | Percent | 2.9 | 5.5 | 6.5 | 2.2 | 2.5 | 5.4 | 7.4 | 6.1 | 5.4 | 5.3 | 3.2 | 5.0 | 5.1 | 7.6 | 5.6 | 2.2 |
| | Number | 5 | 14 | 14 | 5 | 4 | 9 | 12 | 11 | 19 | 15 | 5 | 11 | 9 | 13 | 12 | 4 |
| $6200 | Percent | 1.7 | 3.6 | 4.7 | 4.8 | 4.4 | 6.6 | 2.5 | 7.2 | 2.0 | 4.6 | 3.2 | 6.4 | 2.8 | 6.5 | 4.6 | 6.6 |
| | Number | 3 | 9 | 10 | 11 | 7 | 11 | 4 | 13 | 7 | 13 | 5 | 14 | 5 | 11 | 10 | 12 |
| $6800 | Percent | 2.3 | 2.8 | 3.7 | 5.3 | 3.2 | 6.6 | 1.9 | 5.6 | 4.0 | 5.0 | 1.9 | 4.5 | 3.4 | 2.9 | 3.7 | 4.9 |
| | Number | 4 | 7 | 8 | 12 | 5 | 11 | 3 | 10 | 14 | 14 | 3 | 10 | 6 | 5 | 8 | 9 |
| $7200 | Percent | 1.7 | 2.4 | 3.7 | 1.8 | 1.9 | 1.8 | - | 1.7 | 2.5 | .7 | 1.3 | 1.4 | 1.1 | 2.4 | 3.7 | 3.3 |
| | Number | 3 | 6 | 8 | 4 | 3 | 3 | - | 3 | 9 | 2 | 2 | 3 | 2 | 4 | 8 | 6 |
| $7400 | Percent | 2.9 | 2.0 | 1.4 | 1.8 | 1.9 | 3.0 | 1.2 | 3.3 | 1.4 | 3.2 | 1.9 | 1.8 | 1.1 | 1.8 | 1.9 | .5 |
| | Number | 5 | 5 | 3 | 4 | 3 | 5 | 2 | 6 | 5 | 9 | 3 | 4 | 2 | 3 | 4 | 1 |
| $7700 | Percent | 2.3 | 4.0 | .9 | 2.6 | 6.3 | 3.6 | 1.2 | 2.8 | 2.3 | 3.2 | .6 | .9 | 2.2 | 2.9 | 1.9 | 3.3 |
| | Number | 4 | 10 | 2 | 6 | 10 | 6 | 2 | 5 | 8 | 9 | 1 | 2 | 4 | 5 | 4 | 6 |
| $8000 | Percent | 3.5 | 2.8 | 3.3 | 3.5 | 1.9 | 4.8 | 1.2 | 4.4 | 1.4 | 4.3 | 2.6 | 5.0 | 3.9 | 4.1 | 2.8 | 2.7 |
| | Number | 6 | 7 | 7 | 8 | 3 | 8 | 2 | 8 | 5 | 12 | 4 | 11 | 7 | 7 | 6 | 5 |
| $8200 | Percent | 1.7 | 4.0 | 2.3 | 3.1 | 3.8 | 3.6 | 2.5 | 2.2 | 1.4 | 1.4 | - | .9 | 2.8 | 4.1 | 3.7 | 6.0 |
| | Number | 3 | 10 | 5 | 7 | 6 | 6 | 4 | 4 | 5 | 4 | - | 2 | 5 | 7 | 8 | 11 |
| $8700 | Percent | 2.9 | 7.1 | 1.9 | 2.2 | 3.2 | 3.0 | 2.5 | 3.9 | 1.7 | 1.8 | 3.9 | 1.8 | 4.5 | 4.1 | 4.2 | 4.4 |
| | Number | 5 | 18 | 4 | 5 | 5 | 5 | 4 | 7 | 6 | 5 | 6 | 4 | 8 | 7 | 9 | 8 |
| $9200 | Percent | 2.3 | 3.6 | 2.3 | 5.3 | 2.5 | 2.4 | .6 | 3.9 | 1.7 | 3.2 | - | 2.3 | 1.1 | 2.4 | 3.7 | 2.2 |
| | Number | 4 | 9 | 5 | 12 | 4 | 4 | 1 | 7 | 6 | 9 | - | 5 | 2 | 4 | 8 | 4 |
| $9800 | Percent | 1.2 | 6.7 | 1.9 | 3.9 | 3.2 | 1.2 | 1.2 | 3.9 | 1.1 | 2.8 | .6 | 2.7 | .6 | 3.5 | 2.8 | 3.3 |
| | Number | 2 | 17 | 4 | 9 | 5 | 2 | 2 | 7 | 4 | 8 | 1 | 6 | 1 | 6 | 6 | 6 |
| $9999+ | Percent | 9.8 | 16.6 | 11.6 | 34.2 | 10.1 | 18.0 | 1.9 | 16.1 | 7.1 | 13.5 | 8.4 | 14.5 | 14.6 | 20.0 | 10.6 | 18.6 |
| | Number | 17 | 42 | 25 | 78 | 16 | 30 | 3 | 29 | 25 | 38 | 13 | 32 | 26 | 34 | 23 | 34 |
| Respondent | Percent | 64.1 | 80.1 | 60.7 | 68.7 | 54.9 | 22.2 | 49.1 | 44.3 | 54.6 | 30.2 | 78.2 | 49.8 | 64.5 | 26.2 | 79.7 | 30.3 |
| | Number | 173 | 253 | 215 | 332 | 158 | 167 | 162 | 180 | 354 | 281 | 154 | 220 | 178 | 170 | 216 | 183 |
| Non-Respondent | Percent | 35.9 | 19.9 | 39.3 | 31.3 | 45.1 | 77.8 | 50.9 | 55.7 | 45.4 | 69.8 | 21.8 | 50.2 | 35.5 | 73.8 | 20.3 | 69.7 |
| | Number | 97 | 63 | 139 | 104 | 130 | 586 | 168 | 226 | 294 | 650 | 43 | 222 | 98 | 479 | 55 | 420 |
| Grand Total | Percent | 100 | 100 | 100 | 1000 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | 270 | 316 | 354 | 332 | 288 | 753 | 330 | 406 | 648 | 931 | 197 | 442 | 276 | 649 | 271 | 603 |
| Mean | | 5003 | 6369 | 5512 | 7321 | 5513 | 6200 | 4086 | 6355 | 4550 | 5517 | 4412 | 5653 | 5333 | 6272 | 5726 | 6344 |
| Median | | 4450 | 6828 | 5134 | 8024 | 5140 | 6236 | 3300 | 6238 | 3856 | 5244 | 3734 | 5180 | 4800 | 6245 | 5260 | 6275 |
| Standard Deviation | | 2736 | 2960 | 2612 | 2756 | 2797 | 2754 | 2213 | 2682 | 2632 | 2943 | 2639 | 2780 | 2923 | 2969 | 2701 | 2797 |

**COHORT III-K STUDY**
**Non-Preschool Adjusted**

Table C1-1 (cont.)

## DISTRIBUTION OF HOUSEHOLD INCOME BY FT/NFT FOR COHORT III KINDERGARTEN ANALYTIC SAMPLE (CONTINUED)

| | | IELP | | ILM | | SEDL | | CLA | | Home-School Partnership | | Cal Process | | New School Approach | | Analytic Sample | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| $1500 | Percent | 6.5 | 1.9 | 10.0 | 10.7 | 10.1 | 9.2 | 12.7 | 8.5 | - | 2.6 | 12.7 | 9.1 | 4.9 | .9 | 7.9 | 6.6 |
| | Number | 12 | 4 | 6 | 8 | 27 | 24 | 13 | 8 | - | 1 | 13 | 5 | 3 | 1 | 204 | 169 |
| $2000 | Percent | 4.9 | 2.4 | 10.0 | 2.7 | 11.9 | 4.6 | 13.7 | 8.5 | - | - | 11.8 | 12.7 | 4.9 | 2.7 | 9.2 | 4.3 |
| | Number | 9 | 5 | 6 | 2 | 32 | 12 | 14 | 8 | - | - | 12 | 7 | 3 | 3 | 239 | 106 |
| $2500 | Percent | 5.4 | 1.9 | 20.0 | 6.7 | 11.9 | 9.9 | 11.8 | 7.4 | 13.6 | 2.6 | 6.9 | 10.9 | 11.5 | - | 11.3 | 5.8 |
| | Number | 10 | 4 | 12 | 5 | 32 | 26 | 12 | 7 | 3 | 1 | 7 | 6 | 7 | - | 256 | 153 |
| $3200 | Percent | 4.9 | 2.9 | 8.3 | 6.7 | 7.5 | 9.2 | 6.9 | 13.8 | 9.1 | 5.1 | 8.8 | 7.3 | 9.8 | 4.5 | 8.7 | 6.7 |
| | Number | 9 | 6 | 5 | 5 | 20 | 24 | 7 | 13 | 2 | 2 | 9 | 4 | 6 | 5 | 209 | 167 |
| $3800 | Percent | 7.6 | 1.0 | 6.7 | 9.3 | 8.2 | 6.5 | 5.9 | 1.1 | 4.5 | 7.7 | 5.9 | 7.3 | 1.6 | 3.6 | 5.4 | 4.4 |
| | Number | 14 | 2 | 4 | 7 | 22 | 17 | 6 | 1 | 1 | 3 | 6 | 4 | 1 | 4 | 138 | 101 |
| $4200 | Percent | 2.7 | 1.9 | - | 4.0 | 4.1 | 2.7 | 2.9 | 4.3 | 9.1 | 5.1 | 4.9 | 3.6 | 3.3 | - | 3.8 | 2.8 |
| | Number | 5 | 4 | - | 3 | 11 | 7 | 3 | 4 | 2 | 2 | 5 | 2 | 2 | - | 89 | 65 |
| $4400 | Percent | 3.8 | 1.0 | - | 6.7 | 4.5 | 5.7 | 2.0 | 3.2 | - | 5.1 | 2.9 | 9.1 | 3.3 | - | 2.7 | 3.5 |
| | Number | 7 | 2 | - | 5 | 12 | 15 | 2 | 3 | - | 2 | 3 | 5 | 2 | - | 73 | 76 |
| $4700 | Percent | 2.7 | 2.9 | 3.3 | 5.3 | 4.1 | 1.9 | 2.9 | 8.5 | 9.1 | 5.1 | 1.0 | 1.8 | - | - | 3.5 | 3.0 |
| | Number | 5 | 6 | 2 | 4 | 11 | 5 | 3 | 8 | 2 | 2 | 1 | 1 | - | - | 83 | 67 |
| $5000 | Percent | 4.3 | 5.7 | 6.7 | 4.0 | 4.5 | 5.7 | 4.9 | 6.4 | 4.5 | 2.6 | 3.9 | 3.6 | 3.3 | 1.8 | 4.5 | 3.9 |
| | Number | 8 | 12 | 4 | 3 | 12 | 15 | 5 | 6 | 1 | 1 | 4 | 2 | 2 | 2 | 106 | 101 |
| $5200 | Percent | 2.7 | 3.3 | 5.0 | 4.0 | 4.9 | 3.4 | 5.9 | 4.3 | 9.1 | 5.1 | 4.9 | - | 6.6 | 2.7 | 4.8 | 3.2 |
| | Number | 5 | 7 | 3 | 3 | 13 | 9 | 6 | 4 | 2 | 2 | 5 | - | 4 | 3 | 105 | 81 |
| $5700 | Percent | 5.9 | 6.2 | 6.7 | 6.7 | 6.3 | 6.5 | 5.9 | 4.3 | 13.6 | 10.3 | 9.8 | 3.6 | 3.3 | 3.6 | 6.0 | 5.4 |
| | Number | 11 | 13 | 4 | 5 | 17 | 17 | 6 | 4 | 3 | 4 | 10 | 2 | 2 | 4 | 133 | 131 |
| $6200 | Percent | 5.4 | 3.8 | 6.7 | 8.0 | 2.2 | 6.1 | 3.9 | 4.3 | 9.1 | 10.3 | 2.0 | 3.6 | 6.6 | 5.4 | 4.1 | 5.9 |
| | Number | 10 | 8 | 4 | 6 | 6 | 16 | 4 | 4 | 2 | 4 | 2 | 2 | 4 | 6 | 83 | 140 |
| $6800 | Percent | 3.2 | 6.7 | 6.7 | 4.0 | 3.0 | 3.4 | 3.9 | 5.3 | 4.5 | 7.7 | 7.8 | 3.6 | 3.3 | 4.5 | 3.8 | 4.9 |
| | Number | 6 | 14 | 4 | 3 | 8 | 9 | 4 | 5 | 1 | 3 | 8 | 2 | 2 | 5 | 84 | 119 |
| $7200 | Percent | 2.7 | 3.3 | 1.7 | - | .7 | 2.7 | 2.0 | 1.1 | - | - | 1.0 | 1.8 | 1.6 | .9 | 1.7 | 1.7 |
| | Number | 5 | 7 | 1 | - | 2 | 7 | 2 | 1 | - | - | 1 | 1 | 1 | 1 | 47 | 48 |
| $7400 | Percent | 1.1 | 1.9 | - | 4.0 | 1.5 | 1.1 | 1.0 | - | - | 7.7 | - | - | 3.3 | 1.8 | 1.4 | 2.3 |
| | Number | 2 | 4 | - | 3 | 4 | 3 | 1 | - | - | 3 | - | - | 2 | 2 | 36 | 52 |
| $7700 | Percent | 2.2 | 1.9 | - | 1.3 | 1.9 | 2.3 | 2.0 | 1.1 | 4.5 | 2.6 | 2.0 | 1.8 | - | 1.8 | 2.0 | 2.4 |
| | Number | 4 | 4 | - | 1 | 5 | 6 | 2 | 1 | 1 | 1 | 2 | 1 | - | 2 | 49 | 65 |
| $8000 | Percent | 2.7 | 4.3 | 1.7 | 5.3 | 1.5 | 3.4 | 1.0 | 4.3 | - | 5.1 | 2.0 | 7.3 | 1.6 | 4.5 | 2.1 | 4.4 |
| | Number | 5 | 9 | 1 | 4 | 4 | 9 | 1 | 4 | - | 2 | 2 | 4 | 1 | 5 | 60 | 97 |
| $8200 | Percent | 3.2 | 2.9 | - | - | 1.5 | 2.7 | 3.9 | 1.1 | 9.1 | - | 2.9 | - | 3.3 | 6.3 | 2.8 | 4.3 |
| | Number | 6 | 6 | - | - | 4 | 7 | 4 | 1 | 2 | - | 3 | - | 2 | 7 | 60 | 69 |
| $8700 | Percent | 3.8 | 6.2 | - | - | 1.5 | .8 | 1.0 | 1.1 | - | - | 2.0 | 1.8 | 1.6 | 8.0 | 2.3 | 3.1 |
| | Number | 7 | 13 | - | - | 4 | 2 | 1 | 1 | - | - | 2 | 1 | 1 | 9 | 62 | 85 |
| $9200 | Percent | 2.2 | 6.7 | - | - | 2.2 | 1.5 | 1.0 | 1.1 | - | - | 2.0 | 1.8 | 1.6 | 6.3 | 1.6 | 2.9 |
| | Number | 4 | 14 | - | - | 6 | 4 | 1 | 1 | - | - | 2 | 1 | 1 | 7 | 44 | 81 |
| $9800 | Percent | 2.2 | 4.8 | 1.7 | 1.3 | 1.1 | 1.5 | - | 2.1 | - | 2.6 | 1.0 | 1.8 | 1.6 | 7.1 | 1.4 | 3.3 |
| | Number | 4 | 10 | 1 | 1 | 3 | 4 | - | 2 | - | 1 | 1 | 1 | 1 | 8 | 35 | 88 |
| $9999+ | Percent | 20.0 | 26.3 | 5.0 | 9.3 | 4.9 | 9.2 | 4.9 | 8.5 | - | 12.8 | 3.9 | 7.3 | 23.0 | 33.9 | 9.1 | 17.3 |
| | Number | 37 | 55 | 3 | 7 | 13 | 24 | 5 | 8 | - | 5 | 4 | 4 | 14 | 38 | 224 | 458 |
| Respondent | Percent | 75.8 | 80.1 | 39.5 | 22.0 | 49.0 | 37.3 | 84.3 | 88.7 | 68.7 | 18.8 | 45.9 | 76.4 | 78.2 | 77.8 | 63.2 | 50.2 |
| | Number | 185 | 209 | 60 | 75 | 268 | 262 | 102 | 94 | 22 | 39 | 102 | 55 | 61 | 112 | 2410 | 2632 |
| Non-Respondent | Percent | 24.2 | 19.9 | 60.5 | 78.0 | 51.0 | 62.7 | 15.7 | 11.3 | 31.3 | 81.2 | 54.1 | 23.6 | 21.8 | 22.2 | 36.9 | 49.8 |
| | Number | 59 | 52 | 92 | 266 | 279 | 440 | 19 | 12 | 10 | 168 | 120 | 17 | 17 | 32 | 1620 | 3737 |
| Grand Total | Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | 244 | 261 | 152 | 341 | 547 | 702 | 121 | 106 | 32 | 207 | 222 | 72 | 78 | 144 | 4030 | 6265 |
| Mean | | 6094 | 7386 | 4283 | 5105 | 4461 | 5137 | 4377 | 4931 | 5059 | 6090 | 4609 | 4756 | 5949 | 7984 | 4998 | 6095 |
| Median | | 5754 | 7956 | 3750 | 4725 | 4119 | 4914 | 3867 | 4675 | 5100 | 5775 | 4260 | 4250 | 5650 | 8733 | 4545 | 6087 |
| Standard Deviation | | 2873 | 2478 | 2352 | 2483 | 2443 | 2604 | 2464 | 2584 | 1739 | 2255 | 2488 | 2698 | 2997 | 2362 | 2574 | 2674 |

## Table C1-2

## DISTRIBUTION OF MOTHER'S EDUCATION BY FT/NFT FOR COHORT III KINDERGARTEN ANALYTIC SAMPLE

| | | Responsive Education | | TEEM | | Bank Street | | Direct Instruction | | Behavior Analysis | | Cognitive Curriculum | | Parent Education | | EDC | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| No Schooling | Percent | - | - | 1.4 | - | - | 1.7 | - | 1.0 | .3 | 1.4 | - | .5 | - | - | - | - |
| | Number | - | - | 3 | - | - | 3 | - | 2 | 1 | 4 | - | 1 | - | - | - | - |
| Kindergarten through Third Grade | Percent | 2.3 | .8 | 1.4 | - | .6 | 3.4 | - | .5 | .9 | 3.6 | 2.0 | 1.9 | 2.2 | 1.2 | - | .5 |
| | Number | 4 | 2 | 3 | - | 1 | 6 | - | 1 | 3 | 10 | 3 | 4 | 4 | 2 | - | 1 |
| Fourth through Sixth Grade | Percent | 3.5 | 2.8 | 3.3 | 1.3 | 3.2 | 6.9 | 3.0 | 3.6 | 4.4 | 6.5 | 4.1 | 6.1 | 1.7 | 4.0 | 2.8 | 1.6 |
| | Number | 6 | 7 | 7 | 3 | 5 | 12 | 5 | 7 | 15 | 18 | 6 | 13 | 3 | 7 | 6 | 3 |
| Seventh through Eighth Grade | Percent | 5.8 | 6.4 | 8.5 | 4.4 | 7.7 | 8.6 | 11.0 | 8.8 | 7.1 | 8.7 | 10.1 | 10.7 | 8.4 | 7.5 | 6.9 | 4.9 |
| | Number | 10 | 16 | 18 | 10 | 12 | 15 | 18 | 17 | 24 | 24 | 15 | 23 | 15 | 13 | 15 | 9 |
| High School Incomplete | Percent | 35.7 | 28.5 | 37.0 | 27.3 | 36.5 | 41.4 | 41.5 | 36.1 | 46.8 | 45.1 | 35.8 | 41.9 | 40.8 | 44.5 | 45.0 | 29.3 |
| | Number | 61 | 71 | 78 | 62 | 57 | 72 | 68 | 70 | 159 | 125 | 53 | 90 | 73 | 77 | 98 | 72 |
| High School Complete | Percent | 46.2 | 50.2 | 38.9 | 44.1 | 41.0 | 29.9 | 38.4 | 38.1 | 32.4 | 27.1 | 35.8 | 30.2 | 38.0 | 33.5 | 39.4 | 42.6 |
| | Number | 79 | 125 | 82 | 100 | 64 | 52 | 63 | 74 | 110 | 75 | 53 | 65 | 68 | 58 | 86 | 78 |
| College Incomplete | Percent | 5.8 | 8.4 | 9.0 | 14.1 | 8.3 | 5.2 | 6.1 | 6.2 | 5.9 | 6.5 | 12.2 | 7.4 | 6.7 | 7.5 | 4.1 | 4.9 |
| | Number | 10 | 21 | 19 | 32 | 13 | 9 | 10 | 12 | 20 | 18 | 18 | 16 | 12 | 13 | 9 | 9 |
| College Complete | Percent | .6 | 2.8 | .5 | 8.8 | 2.6 | 2.9 | - | 5.7 | 2.4 | 1.1 | - | 1.4 | 2.2 | 1.7 | 1.8 | 6.0 |
| | Number | 1 | 7 | 1 | 20 | 4 | 5 | - | 11 | 8 | 3 | - | 3 | 4 | 3 | 4 | 11 |
| Respondent | Percent | 63.3 | 78.8 | 59.6 | 68.4 | 54.2 | 23.1 | 49.7 | 47.8 | 52.5 | 29.8 | 75.1 | 48.6 | 64.9 | 26.7 | 80.4 | 30.3 |
| | Number | 171 | 249 | 211 | 227 | 156 | 174 | 164 | 194 | 340 | 277 | 148 | 215 | 179 | 173 | 218 | 183 |
| Non-Respondent | Percent | 36.7 | 21.2 | 40.4 | 31.6 | 45.8 | 76.9 | 50.3 | 52.2 | 47.5 | 70.2 | 24.9 | 51.4 | 35.1 | 73.3 | 19.6 | 69.7 |
| | Number | 99 | 67 | 143 | 105 | 132 | 579 | 166 | 212 | 308 | 654 | 49 | 227 | 97 | 476 | 53 | 420 |
| Grand Total | Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | 270 | 316 | 354 | 332 | 288 | 753 | 330 | 406 | 648 | 931 | 197 | 442 | 276 | 649 | 271 | 603 |
| Mean | | 11.6 | 12.1 | 11.4 | 12.8 | 11.8 | 10.8 | 11.4 | 11.7 | 11.4 | 10.7 | 11.5 | 11.1 | 11.6 | 11.5 | 11.7 | 12.1 |
| Median | | 12.1 | 12.5 | 11.9 | 12.8 | 12.1 | 11.4 | 11.7 | 12.0 | 11.5 | 11.3 | 11.8 | 11.0 | 11.8 | 11.6 | 11.7 | 12.2 |
| Standard Deviation | | 2.5 | 2.3 | 2.8 | 2.2 | 2.3 | 3.3 | 2.1 | 2.8 | 2.5 | 3.2 | 2.7 | 2.8 | 2.5 | 2.4 | 2.0 | 2.2 |

Education level was coded as follows:

1 = No Schooling
2 = Kindergarten through Third Grade
3 = Fourth through Sixth Grade
4 = Seventh through Eighth Grade
5 = High School Incomplete
6 = High School Complete
7 = College Incomplete
8 = College Complete

## Table C1-2 (cont.)

## DISTRIBUTION OF MOTHER'S EDUCATION BY FT/NFT FOR COHORT III KINDERGARTEN ANALYTIC SAMPLE (CONTINUED)

| | | IELP | | ILM | | SEDL | | CLA | | Home-School Partnership | | Cal Process | | New School Approach | | Analytic Sample | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| No Schooling | Percent | - | - | - | 1.2 | 2.2 | 1.1 | - | - | - | 2.2 | - | 1.9 | - | - | .3 | .7 |
| | Number | - | - | - | 1 | 6 | 3 | - | - | - | 1 | - | 1 | - | - | 10 | 16 |
| Kindergarten through Third Grade | Percent | .5 | - | - | 1.2 | 11.6 | 2.3 | 2.0 | 1.1 | - | 2.2 | 3.0 | 7.7 | - | .9 | 1.8 | 1.8 |
| | Number | 1 | - | - | 1 | 32 | 6 | 2 | 1 | - | 1 | 3 | 4 | - | 1 | 56 | 40 |
| Fourth through Sixth Grade | Percent | .5 | .9 | 7.4 | 8.5 | 14.9 | 13.7 | 1.0 | 3.3 | - | 10.9 | 6.1 | 3.8 | - | - | 3.7 | 4.9 |
| | Number | 1 | 2 | 4 | 7 | 41 | 36 | 1 | 3 | - | 5 | 6 | 2 | - | - | 106 | 125 |
| Seventh through Eighth Grade | Percent | 1.1 | 2.8 | 1.9 | 8.5 | 17.1 | 16.0 | 9.9 | 14.4 | 9.1 | 8.7 | 3.0 | 7.7 | 8.5 | 3.5 | 7.7 | 8.1 |
| | Number | 2 | 6 | 1 | 7 | 47 | 42 | 10 | 13 | 2 | 4 | 3 | 4 | 5 | 4 | 197 | 207 |
| High School Incomplete | Percent | 18.2 | 20.1 | 35.2 | 41.5 | 25.8 | 33.8 | 47.5 | 50.0 | 40.9 | 43.5 | 27.3 | 30.8 | 28.8 | 13.3 | 36.2 | 35.8 |
| | Number | 34 | 43 | 19 | 34 | 71 | 89 | 48 | 45 | 9 | 20 | 27 | 16 | 17 | 15 | 872 | 901 |
| High School Complete | Percent | 67.9 | 56.5 | 50.0 | 34.1 | 21.8 | 27.4 | 29.7 | 24.4 | 40.9 | 26.1 | 46.5 | 30.8 | 39.0 | 60.2 | 40.4 | 37.0 |
| | Number | 127 | 121 | 27 | 28 | 40 | 72 | 30 | 22 | 9 | 12 | 46 | 16 | 23 | 68 | 927 | 966 |
| College Incomplete | Percent | 7.0 | 10.3 | 5.6 | 3.7 | 5.1 | 4.6 | 9.9 | 6.7 | 4.5 | 4.3 | 14.1 | 15.4 | 20.3 | 17.7 | 8.3 | 8.2 |
| | Number | 13 | 22 | 3 | 3 | 14 | 12 | 10 | 6 | 1 | 2 | 14 | 8 | 12 | 20 | 178 | 203 |
| College Complete | Percent | 4.8 | 9.3 | - | 1.2 | 1.5 | 1.1 | - | - | 4.5 | 2.2 | - | 1.9 | 3.4 | 4.4 | 1.6 | 3.4 |
| | Number | 9 | 20 | - | 1 | 4 | 3 | - | - | 1 | 1 | - | 1 | 2 | 5 | 38 | 94 |
| Respondent | Percent | 76.6 | 82.0 | 35.5 | 24.0 | 50.3 | 37.5 | 83.5 | 84.9 | 68.7 | 22.2 | 44.6 | 72.2 | 75.6 | 78.5 | 62.3 | 50.3 |
| | Number | 187 | 214 | 54 | 82 | 275 | 263 | 101 | 90 | 22 | 46 | 99 | 52 | 59 | 113 | 2384 | 2552 |
| Non-Respondent | Percent | 23.4 | 18.0 | 64.5 | 76.0 | 49.7 | 62.5 | 16.5 | 15.1 | 31.3 | 77.8 | 55.4 | 27.8 | 24.4 | 21.5 | 37.7 | 49.7 |
| | Number | 57 | 47 | 98 | 259 | 272 | 439 | 20 | 16 | 10 | 161 | 123 | 20 | 19 | 31 | 1646 | 3713 |
| Grand Total | Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | 244 | 261 | 152 | 341 | 547 | 702 | 121 | 106 | 32 | 207 | 222 | 72 | 78 | 144 | 4030 | 6265 |
| Mean | | 12.8 | 13.0 | 11.7 | 10.9 | 9.1 | 10.2 | 11.4 | 11.0 | 12.0 | 10.5 | 11.8 | 11.0 | 12.5 | 13.0 | 11.6 | 11.5 |
| Median | | 12.9 | 12.9 | 12.2 | 11.4 | 10.3 | 11.0 | 11.5 | 11.0 | 12.0 | 11.2 | 12.5 | 11.8 | 12.7 | 13.1 | 11.9 | 11.8 |
| Standard Deviation | | 1.7 | 2.0 | 2.2 | 2.9 | 4.1 | 3.3 | 2.3 | 2.3 | 2.0 | 3.3 | 2.9 | 3.9 | 2.1 | 2.0 | 2.5 | 2.7 |

Education level was coded as follows:

1 = No Schooling
2 = Kindergarten through Third Grade
3 = Fourth through Sixth Grade
4 = Seventh through Eighth Grade
5 = High School Incomplete
6 = High School Complete
7 = College Incomplete
8 = College Complete

## Table C1-3

## DISTRIBUTION OF FATHER'S EDUCATION BY FT/NFT FOR COHORT III KINDERGARTEN ANALYTIC SAMPLE

| | | Responsive Education | | TEEM | | Bank Street | | Direct Instruction | | Behavior Analysis | | Cognitive Curriculum | | Parent Education | | EDC | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| No Schooling | Percent | 1.0 | - | - | - | 1.1 | 1.8 | 1.6 | - | .6 | 2.8 | - | - | - | .8 | - | - |
| | Number | 1 | - | - | - | 1 | 2 | 1 | - | 1 | 5 | - | - | - | 1 | - | - |
| Kindergarten through Third Grade | Percent | 3.0 | - | 2.2 | .6 | 2.1 | 5.4 | 1.6 | .7 | 2.4 | 7.3 | 3.8 | 4.3 | 1.9 | 1.6 | 1.6 | .8 |
| | Number | 3 | - | 3 | 1 | 2 | 6 | 1 | 1 | 4 | 13 | 3 | 6 | 2 | 2 | 2 | 1 |
| Fourth through Sixth Grade | Percent | 5.9 | 6.5 | 7.5 | 1.2 | 9.5 | 6.3 | 9.4 | 4.4 | 6.5 | 10.6 | 12.7 | 3.6 | 2.8 | 6.5 | 7.8 | - |
| | Number | 6 | 12 | 10 | 2 | 9 | 7 | 6 | 6 | 11 | 19 | 10 | 5 | 3 | 8 | 10 | - |
| Seventh through Eighth Grade | Percent | 12.9 | 4.9 | 13.4 | 3.6 | 13.7 | 9.9 | 6.3 | 8.9 | 12.4 | 10.6 | 13.9 | 12.3 | 13.1 | 10.6 | 11.6 | 7.1 |
| | Number | 13 | 9 | 18 | 6 | 13 | 11 | 4 | 12 | 21 | 19 | 11 | 17 | 14 | 13 | 15 | 9 |
| High School Incomplete | Percent | 19.8 | 26.1 | 31.3 | 16.2 | 22.1 | 28.8 | 34.4 | 29.6 | 35.5 | 30.2 | 29.1 | 26.8 | 37.4 | 22.0 | 41.9 | 22.0 |
| | Number | 20 | 48 | 42 | 27 | 21 | 32 | 22 | 40 | 60 | 54 | 23 | 37 | 40 | 27 | 54 | 28 |
| High School Complete | Percent | 40.6 | 39.7 | 33.6 | 42.5 | 33.7 | 36.0 | 40.6 | 32.6 | 34.3 | 30.7 | 30.4 | 34.8 | 32.7 | 40.7 | 28.7 | 51.2 |
| | Number | 41 | 73 | 45 | 71 | 32 | 40 | 26 | 44 | 58 | 55 | 24 | 48 | 35 | 50 | 37 | 65 |
| College Incomplete | Percent | 12.9 | 17.4 | 8.3 | 13.2 | 10.5 | 8.1 | 6.3 | 14.8 | 5.3 | 5.6 | 10.1 | 15.2 | 7.5 | 11.4 | 6.2 | 7.9 |
| | Number | 13 | 32 | 11 | 22 | 10 | 9 | 4 | 20 | 9 | 10 | 8 | 21 | 8 | 14 | 8 | 10 |
| College Complete | Percent | 4.0 | 5.4 | 3.7 | 22.8 | 7.4 | 3.6 | - | 8.9 | 3.0 | 2.2 | - | 2.9 | 4.7 | 6.5 | 2.3 | 11.0 |
| | Number | 4 | 10 | 5 | 38 | 7 | 4 | - | 12 | 5 | 4 | - | 4 | 5 | 8 | 3 | 14 |
| Respondent | Percent | 37.4 | 58.2 | 37.9 | 50.3 | 33.0 | 14.7 | 19.4 | 33.3 | 26.1 | 19.2 | 40.1 | 31.2 | 38.8 | 19.0 | 47.6 | 21.1 |
| | Number | 101 | 184 | 134 | 167 | 95 | 111 | 64 | 135 | 169 | 179 | 79 | 138 | 107 | 123 | 129 | 127 |
| Non-Respondent | Percent | 62.6 | 41.8 | 62.1 | 49.7 | 67.0 | 85.3 | 80.6 | 66.7 | 73.9 | 80.8 | 59.9 | 68.8 | 61.2 | 81.0 | 52.4 | 78.9 |
| | Number | 169 | 132 | 220 | 165 | 193 | 642 | 266 | 271 | 479 | 752 | 118 | 304 | 169 | 526 | 142 | 476 |
| Grand Total | Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | 270 | 316 | 354 | 332 | 288 | 753 | 330 | 406 | 648 | 931 | 197 | 442 | 276 | 649 | 271 | 603 |
| Mean | | 11.5 | 12.3 | 11.2 | 13.5 | 11.3 | 10.9 | 11.0 | 12.2 | 11.0 | 10.1 | 10.5 | 10.7 | 11.5 | 11.7 | 11.0 | 12.7 |
| Median | | 12.4 | 12.6 | 11.7 | 13.3 | 12.1 | 11.8 | 11.8 | 12.4 | 11.5 | 11.2 | 11.3 | 12.1 | 11.7 | 12.4 | 11.3 | 12.8 |
| Standard Deviation | | 3.4 | 2.7 | 3.1 | 2.6 | 3.6 | 3.7 | 3.1 | 2.9 | 3.0 | 4.0 | 3.3 | 9.9 | 2.3 | 3.3 | 2.8 | 2.4 |

Education level was coded as follows:

1 = No Schooling
2 = Kindergarten through Third Grade
3 = Fourth through Sixth Grade
4 = Seventh through Eighth Grade
5 = High School Incomplete
6 = High School Complete
7 = College Incomplete
8 = College Complete

9

## Table C1-3 (cont.)

## DISTRIBUTION OF FATHER'S EDUCATION BY FT/NFT FOR COHORT III KINDERGARTEN ANALYTIC SAMPLE (CONTINUED)

| | | TELP | | ILM | | SEDL | | CLA | | Home-School Partnership | | Cal Process | | New School Approach | | Analytic Sample | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| No Schooling | Percent | - | - | 4.2 | - | 5.3 | 3.9 | - | - | - | - | - | 3.7 | - | - | .9 | .9 |
| | Number | - | - | 1 | - | 12 | 8 | - | - | - | - | - | 1 | - | - | 17 | 17 |
| Kindergarten through Third Grade | Percent | - | - | - | 2.6 | 13.2 | 4.4 | - | - | - | 3.2 | 5.4 | 3.7 | 2.3 | - | 2.6 | 2.3 |
| | Number | - | - | - | 1 | 30 | 9 | - | - | - | 1 | 3 | 1 | 1 | - | 54 | 42 |
| Fourth through Sixth Grade | Percent | 1.4 | 2.1 | 8.3 | 7.7 | 19.4 | 14.1 | 5.1 | 6.3 | - | 9.7 | 12.5 | 18.5 | 2.3 | - | 7.4 | 6.5 |
| | Number | 2 | 4 | 2 | 3 | 44 | 29 | 2 | 2 | - | 3 | 7 | 5 | 1 | - | 123 | 105 |
| Seventh through Eighth Grade | Percent | 10.2 | 8.3 | 16.7 | 5.1 | 16.3 | 21.4 | 17.9 | 21.9 | 12.5 | 6.5 | 7.1 | - | 14.0 | 10.2 | 12.8 | 9.4 |
| | Number | 15 | 16 | 4 | 2 | 37 | 44 | 7 | 7 | 1 | 2 | 4 | - | 6 | 10 | 183 | 177 |
| High School Incomplete | Percent | 21.8 | 15.0 | 33.3 | 41.0 | 20.3 | 23.8 | 41.0 | 40.6 | 62.5 | 29.0 | 28.6 | 25.9 | 23.3 | 11.2 | 32.2 | 25.9 |
| | Number | 32 | 29 | 8 | 16 | 46 | 49 | 16 | 13 | 5 | 9 | 16 | 7 | 10 | 11 | 415 | 427 |
| High School Complete | Percent | 47.6 | 50.3 | 29.2 | 33.3 | 18.5 | 22.8 | 28.2 | 21.9 | 12.5 | 38.7 | 23.2 | 25.9 | 32.6 | 44.9 | 31.1 | 36.4 |
| | Number | 70 | 97 | 7 | 13 | 42 | 47 | 11 | 7 | 1 | 12 | 13 | 7 | 14 | 44 | 456 | 673 |
| College Incomplete | Percent | 8.8 | 12.4 | 8.3 | 10.3 | 3.5 | 6.8 | 7.7 | 9.4 | 12.5 | 12.9 | 23.2 | 11.1 | 18.6 | 20.4 | 10.0 | 11.0 |
| | Number | 13 | 24 | 2 | 4 | 8 | 14 | 3 | 3 | 1 | 4 | 13 | 3 | 8 | 20 | 119 | 210 |
| College Complete | Percent | 10.2 | 11.9 | - | - | 3.5 | 2.9 | - | - | - | - | - | 11.1 | 7.0 | 13.3 | 3.[illegible] | 6.8 |
| | Number | 15 | 23 | - | - | 8 | 6 | - | - | - | - | - | 3 | 3 | 13 | [illegible]5 | 139 |
| Respondent | Percent | 60.2 | 73.9 | 15.8 | 11.4 | 41.5 | 29.3 | 32.2 | 30.2 | 25.0 | 15.0 | 25.2 | 37.5 | 55.1 | 68.1 | 35.7 | 34.2 |
| | Number | 147 | 193 | 24 | 39 | 227 | 206 | 39 | 32 | 8 | 31 | 56 | 27 | 43 | 98 | 1422 | 1790 |
| Non-Respondent | Percent | 39.8 | 26.1 | 84.2 | 88.6 | 58.5 | 70.7 | 67.8 | 69.8 | 75.0 | 85.0 | 74.8 | 62.5 | 44.9 | 31.9 | 64.3 | 65.8 |
| | Number | 97 | 68 | 128 | 302 | 320 | 496 | 82 | 74 | 24 | 176 | 166 | 45 | 35 | 46 | 2608 | 4475 |
| Grand Total | Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | 244 | 261 | 152 | 341 | 547 | 702 | 121 | 106 | 32 | 207 | 222 | 72 | 78 | 144 | 4030 | 6265 |
| Mean | | 12.5 | 12.8 | 10.5 | 11.2 | 8.4 | 9.6 | 11.0 | 7.5 | 11.3 | 11.3 | 11.0 | 10.8 | 12.0 | 13.2 | 11.1 | 11.4 |
| Median | | 12.7 | 13.0 | 11.2 | 11.6 | 8.4 | 10.5 | 11.3 | 11.0 | 11.2 | 12.1 | 11.7 | 11.8 | 12.5 | 13.3 | 11.5 | 12.1 |
| Standard Deviation | | 2.5 | 2.5 | 3.4 | 2.8 | 4.5 | 4.0 | 2.4 | 3.9 | 3.0 | 3.2 | 3.7 | 4.6 | 3.1 | 2.5 | 3.1 | 3.7 |

Education level was coded as follows:

1 = No Schooling
2 = Kindergarten through Third Grade
3 = Fourth through Sixth Grade
4 = Seventh through Eighth Grade
5 = High School Incomplete
6 = High School Complete
7 = College Incomplete
8 = College Complete

## Table C1-4

## DISTRIBUTION OF MOTHER'S OCCUPATION BY FT/NFT FOR COHORT III KINDERGARTEN ANALYTIC SAMPLE

| | | U.S. Population | Analytic Sample | | Responsive Education | | TEEM | | Bank Street | | Direct Instruction | | Behavior Analysis | | Cognitive Curriculum | | Parent Education | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| Professional, Semi-professional | Percent | 14.8 | .1 | .6 | - | .4 | - | - | - | .6 | - | - | .3 | .4 | - | 1.1 | - | 1.3 |
| | Number | | 2 | 11 | - | 1 | - | - | - | 1 | - | - | 1 | 1 | - | 2 | - | 2 |
| Farmers, Farm Workers | Percent | .2 | 1.5 | 1.9 | 3.5 | .9 | - | .5 | - | .6 | - | 1.2 | .3 | 5.3 | .7 | - | 1.2 | 1.3 |
| | Number | | 37 | 54 | 5 | 2 | - | 1 | - | 1 | - | 2 | 1 | 13 | 1 | - | 2 | 2 |
| Proprietors, Managers, and Officials | Percent | 3.5 | 42.8 | 33.4 | 51.0 | 40.7 | 40.8 | 30.5 | 33.1 | 33.6 | 43.5 | 31.9 | 53.4 | 35.8 | 53.7 | 29.9 | 50.3 | 35.9 |
| | Number | | 934 | 749 | 73 | 92 | 75 | 65 | 47 | 37 | 64 | 53 | 167 | 87 | 73 | 56 | 83 | 56 |
| Clerical and Kindred Workers | Percent | 32.9 | 22.6 | 27.2 | 12.6 | 17.7 | 31.5 | 14.1 | 29.6 | 44.6 | 33.3 | 24.7 | 23.6 | 31.7 | 16.9 | 34.2 | 18.2 | 27.6 |
| | Number | | 500 | 588 | 18 | 40 | 58 | 30 | 42 | 70 | 49 | 41 | 74 | 77 | 23 | 64 | 30 | 43 |
| Sales | Percent | 6.9 | 1.3 | 1.7 | .7 | .4 | 1.6 | 2.3 | 2.1 | 1.9 | 2.0 | 1.2 | 1.3 | 1.6 | .7 | 2.7 | 1.2 | 1.9 |
| | Number | | 27 | 38 | 1 | 1 | 3 | 5 | 3 | 3 | 3 | 2 | 4 | 4 | 1 | 5 | 2 | 3 |
| Craftsmen, Foremen, and Kindred Workers | Percent | 1.7 | 3.5 | 5.8 | 3.5 | 6.2 | 2.7 | 8.5 | 7.0 | 5.7 | 2.0 | 6.6 | 2.9 | 2.9 | 2.9 | 3.2 | 6.7 | 7.7 |
| | Number | | 85 | 129 | 5 | 14 | 5 | 18 | 10 | 9 | 3 | 11 | 9 | 7 | 4 | 6 | 11 | 12 |
| Operatives and Kindred Workers | Percent | 12.8 | 24.2 | 23.6 | 25.2 | 29.6 | 20.1 | 32.4 | 21.8 | 19.1 | 17.7 | 27.1 | 14.4 | 18.9 | 22.8 | 25.7 | 18.2 | 17.3 |
| | Number | | 428 | 534 | 36 | 67 | 37 | 69 | 31 | 30 | 26 | 45 | 45 | 46 | 31 | 48 | 30 | 27 |
| Service Workers | Percent | 15.2 | .7 | 1.3 | - | .4 | - | 1.4 | .7 | .6 | - | - | .3 | .4 | .7 | 1.6 | 1.8 | 2.6 |
| | Number | | 14 | 29 | - | 1 | - | 3 | 1 | 1 | - | - | 1 | 1 | 1 | 3 | 3 | 4 |
| Farm Laborers and Farm Foremen | Percent | .5 | 0.0 | .1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Number | | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Laborers | Percent | .9 | 3.3 | 4.6 | 3.5 | 3.5 | 3.3 | 10.3 | 5.6 | 3.2 | 1.4 | 7.2 | 3.5 | 2.9 | 1.5 | 1.6 | 2.4 | 4.5 |
| | Number | | 68 | 117 | 5 | 8 | 6 | 22 | 8 | 5 | 2 | 12 | 11 | 7 | 2 | 3 | 4 | 7 |
| Never Worked | Percent | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Number | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Respondent | Percent | | 54.8 | 44.6 | 53.0 | 71.5 | 52.0 | 64.2 | 49.3 | 20.8 | 44.5 | 40.9 | 48.3 | 26.1 | 69.0 | 42.3 | 59.8 | 24.0 |
| | Number | | 2096 | 2251 | 143 | 226 | 184 | 213 | 142 | 157 | 147 | 166 | 313 | 243 | 136 | 187 | 165 | 156 |
| Non-Respondent | Percent | | 45.2 | 55.4 | 47.0 | 28.5 | 48.0 | 35.8 | 50.7 | 79.2 | 55.5 | 59.1 | 51.7 | 73.9 | 31.0 | 57.7 | 40.2 | 76.0 |
| | Number | | 1934 | 4014 | 127 | 90 | 170 | 119 | 146 | 596 | 183 | 240 | 335 | 688 | 61 | 255 | 111 | 493 |
| Grand Total | Percent | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | | 4030 | 6265 | 270 | 316 | 354 | 332 | 288 | 753 | 330 | 406 | 648 | 931 | 197 | 442 | 276 | 649 |
| Mean | | | 13.6 | 13.8 | 13.5 | 13.8 | 13.5 | 14.5 | 13.9 | 13.7 | 13.2 | 14.0 | 13.2 | 13.4 | 13.3 | 13.7 | 13.4 | 13.6 |
| Median | | | 13.0 | 13.2 | 12.4 | 13.0 | 12.8 | 14.8 | 13.1 | 13.1 | 12.7 | 13.2 | 12.4 | 12.8 | 12.4 | 13.1 | 12.5 | 12.9 |
| Standard Deviation | | | 1.9 | 2.0 | 2.0 | 2.0 | 1.8 | 2.2 | 2.0 | 1.8 | 1.6 | 2.1 | 1.8 | 1.9 | 1.8 | 1.8 | 1.9 | 2.0 |

Occupational category was coded as follows:

19 = Professional, Semi-Professional
18 = Farmers, Farm Members
17 = Proprietors, Managers, and Officials
16 = Sales
15 = Craftsmen, Foremen, and Kindred Workers
14 = Operatives and Kindred Workers
13 = Service Workers
12 = Farm Laborers and Farm Foremen
11 = Laborers

Source for U.S. Population: Census of Population: 1970, General Social and Economic Characteristics, U.S. Bureau of the Census Final Report PC91-C1, United States Summary, U.S. Government Printing Office, Washington, D.C., 1972.

## Table C1-4 (cont.)

## DISTRIBUTION OF MOTHER'S OCCUPATION BY FT/NFT FOR COHORT III KINDERGARTEN ANALYTIC SAMPLE (CONTINUED)

| | | U.S. Population | EDC | | IELP | | ILM | | SEDL | | CLA | | Home-School Partnership | | Cal Process | | New School Approach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| Professional, Semi-professional | Percent | 14.8 | - | .6 | - | - | - | - | - | .5 | - | 1.4 | - | - | 1.2 | 2.2 | - | - |
| | Number | | - | 1 | - | - | - | - | - | 1 | - | 1 | - | - | 1 | 1 | - | - |
| Farmers, Farm Workers | Percent | .2 | - | .6 | 1.2 | 1.0 | - | - | 11.5 | 13.5 | - | - | - | - | - | - | 4.3 | 2.8 |
| | Number | | - | 1 | 2 | 2 | - | - | 24 | 27 | - | - | - | - | - | - | 2 | 3 |
| Proprietors, Managers, and Officials | Percent | 3.5 | 37.7 | 31.7 | 40.1 | 30.7 | 37.7 | 50.0 | 39.9 | 35.0 | 48.8 | 33.3 | 25.0 | 28.2 | 50.6 | 35.6 | 36.2 | 28.7 |
| | Number | | 75 | 51 | 69 | 62 | 20 | 38 | 83 | 70 | 41 | 24 | 5 | 11 | 42 | 16 | 17 | 31 |
| Clerical and Kindred Workers | Percent | 32.9 | 31.2 | 25.5 | 14.5 | 22.8 | 26.4 | 23.7 | 26.4 | 25.0 | 27.4 | 41.7 | 15.0 | 38.5 | 24.1 | 24.4 | 8.5 | 11.1 |
| | Number | | 62 | 41 | 25 | 46 | 14 | 18 | 55 | 50 | 23 | 30 | 3 | 15 | 20 | 11 | 4 | 12 |
| Sales | Percent | 6.9 | .5 | 1.9 | 1.7 | 2.0 | 3.8 | 1.3 | 1.0 | - | 2.4 | 5.6 | - | - | - | - | - | 2.8 |
| | Number | | 1 | 3 | 3 | 4 | 2 | 1 | 2 | - | 2 | 4 | - | - | - | - | - | 3 |
| Craftsmen, Foremen, and Kindred Workers | Percent | 1.7 | 5.5 | 5.0 | 7.0 | 7.4 | 1.9 | 5.3 | 4.8 | 5.5 | 3.6 | 1.4 | - | 10.3 | - | 4.4 | 2.1 | 6.5 |
| | Number | | 11 | 8 | 12 | 15 | 1 | 4 | 10 | 11 | 3 | 1 | - | 4 | - | 2 | 1 | 7 |
| Operatives and Kindred Workers | Percent | 12.8 | 21.6 | 24.8 | 27.3 | 20.8 | 28.3 | 18.4 | 12.0 | 16.0 | 16.7 | 13.9 | 55.0 | 20.5 | 21.7 | 31.1 | 40.4 | 38.9 |
| | Number | | 43 | 40 | 47 | 42 | 15 | 14 | 25 | 32 | 14 | 10 | 11 | 8 | 18 | 14 | 19 | 42 |
| Service Workers | Percent | 15.2 | 1.0 | 2.5 | 1.2 | 2.0 | - | - | 1.0 | 2.0 | - | 1.4 | - | - | 1.2 | 2.2 | 2.1 | 1.9 |
| | Number | | 2 | 4 | 2 | 4 | - | - | 2 | 4 | - | 1 | - | - | 1 | 1 | 1 | 2 |
| Farm Laborers and Farm Foremen | Percent | .5 | - | - | .6 | 1.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| | Number | | - | - | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - |
| Laborers | Percent | .9 | 2.5 | 7.5 | 6.4 | 12.4 | 1.9 | 1.3 | 3.4 | 2.5 | 1.2 | 1.4 | 5.0 | 2.6 | 1.2 | - | 6.4 | 7.4 |
| | Number | | 5 | 12 | 11 | 25 | 1 | 1 | 7 | 5 | 1 | 1 | 1 | 1 | 1 | - | 3 | 8 |
| Never Worked | Percent | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Number | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Respondent | Percent | | 73.4 | 26.7 | 70.5 | 77.4 | 34.9 | 22.3 | 38.0 | 28.5 | 69.4 | 67.9 | 62.5 | 18.8 | 37.4 | 62.5 | 60.3 | 75.0 |
| | Number | | 199 | 161 | 172 | 202 | 53 | 76 | 208 | 200 | 84 | 72 | 20 | 39 | 83 | 45 | 47 | 108 |
| Non-Respondent | Percent | | 26.6 | 73.3 | 29.5 | 22.6 | 65.1 | 77.7 | 62.0 | 71.5 | 30.6 | 32.1 | 37.5 | 81.2 | 62.6 | 37.5 | 39.7 | 25.0 |
| | Number | | 72 | 442 | 72 | 59 | 99 | 265 | 339 | 502 | 37 | 34 | 12 | 168 | 139 | 27 | 31 | 36 |
| Grand Total | Percent | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | | 271 | 603 | 244 | 261 | 152 | 341 | 547 | 702 | 121 | 106 | 32 | 207 | 222 | 72 | 78 | 144 |
| Mean | | | 13.6 | 14.1 | 14.0 | 14.3 | 13.7 | 13.3 | 13.1 | 13.2 | 13.2 | 13.3 | 14.7 | 13.7 | 13.2 | 13.7 | 14.3 | 14.5 |
| Median | | | 12.9 | 13.2 | 13.1 | 13.3 | 13.0 | 12.5 | 12.5 | 12.5 | 12.5 | 12.9 | 15.7 | 13.1 | 12.5 | 13.0 | 15.0 | 15.2 |
| Standard Deviation | | | 1.8 | 2.2 | 2.2 | 2.4 | 1.8 | 1.7 | 1.9 | 1.9 | 1.6 | 1.6 | 2.1 | 1.7 | 1.8 | 1.9 | 2.3 | 2.2 |

Occupational category was coded as follows:

19 = Professional, Semi-Professional
18 = Farmers, Farm Members
17 = Proprietors, Managers, and Officials
16 = Sales
15 = Craftsmen, Foremen, and Kindred Workers
14 = Operatives and Kindred Workers
13 = Service Workers
12 = Farm Laborers and Farm Foremen
11 = Laborers

Source for U.S. Population: Census of Population: 1970, General Social and Economic Characteristics, U.S. Bureau of the Census Final Report PC91-C1, United States Summary, U.S. Government Printing Office, Washington, D.C., 1972.

## Table C1-5

## DISTRIBUTION OF FATHER'S OCCUPATION BY FT/NFT FOR COHORT III KINDERGARTEN ANALYTIC SAMPLE

| | | U.S. Population | Analytic Sample | | Responsive Education | | TEEM | | Bank Street | | Direct Instruction | | Behavior Analysis | | Cognitive Curriculum | | Parent Education | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| Professional, Semi-professional | Percent | 13.5 | 9.8 | 9.3 | 6.9 | 7.6 | 11.9 | 3.6 | 5.2 | 15.2 | 14.3 | 5.3 | 14.3 | 9.1 | 11.4 | 6.6 | 4.7 | 12.1 |
| | Number | | 147 | 150 | 7 | 14 | 16 | 6 | 5 | 17 | 9 | 7 | 24 | 16 | 9 | 9 | 5 | 15 |
| Farmers, Farm Workers | Percent | 2.7 | 1.9 | 1.6 | 4.0 | 2.2 | - | .6 | - | - | - | .8 | 3.0 | .6 | 1.3 | .7 | 3.8 | .8 |
| | Number | | 41 | 46 | 4 | 4 | - | 1 | - | - | - | 1 | 5 | 1 | 1 | 1 | 4 | 1 |
| Proprietors, Managers, and Officials | Percent | 10.6 | 16.3 | 10.0 | 16.8 | 12.5 | 7.4 | 8.4 | 7.3 | 12.5 | 9.5 | 6.8 | 14.9 | 12.5 | 20.3 | 8.8 | 16.0 | 7.3 |
| | Number | | 170 | 161 | 17 | 23 | 10 | 14 | 7 | 14 | 6 | 9 | 25 | 22 | 16 | 12 | 17 | 9 |
| Clerical and Kindred Workers | Percent | 7.2 | 35.2 | 32.3 | 38.6 | 31.0 | 36.3 | 21.0 | 39.6 | 30.4 | 42.9 | 39.4 | 34.5 | 44.9 | 35.4 | 30.9 | 41.5 | 30.6 |
| | Number | | 507 | 553 | 39 | 57 | 49 | 35 | 38 | 34 | 27 | 52 | 58 | 79 | 28 | 42 | 44 | 38 |
| Sales | Percent | 6.8 | 19.2 | 22.6 | 18.8 | 26.6 | 25.9 | 23.4 | 20.8 | 25.9 | 20.6 | 20.5 | 20.8 | 16.5 | 24.1 | 30.9 | 15.1 | 26.6 |
| | Number | | 289 | 410 | 19 | 49 | 35 | 39 | 29 | 29 | 13 | 27 | 35 | 29 | 19 | 42 | 16 | 33 |
| Craftsmen, Foremen, and Kindred Workers | Percent | 19.7 | 2.8 | 3.1 | 4.0 | 3.3 | 4.4 | 6.0 | 3.1 | 2.7 | 3.2 | 2.3 | 1.2 | 2.3 | 1.3 | 4.4 | 4.7 | 2.4 |
| | Number | | 46 | 57 | 4 | 6 | 6 | 10 | 3 | 3 | 2 | 3 | 2 | 4 | 1 | 6 | 5 | 3 |
| Operatives and Kindred Workers | Percent | 12.7 | 5.7 | 4.1 | 4.0 | 2.7 | 6.7 | 4.2 | 7.3 | 2.7 | 6.3 | 2.3 | 4.8 | 2.8 | 3.8 | 5.9 | 6.6 | 3.2 |
| | Number | | 70 | 58 | 4 | 5 | 9 | 7 | 7 | 3 | 4 | 3 | 8 | 5 | 3 | 8 | 7 | 4 |
| Service Workers | Percent | 7.8 | 4.5 | 6.9 | 4.0 | 7.1 | 5.2 | 13.2 | 6.3 | 4.5 | 1.6 | 9.1 | 1.2 | 3.4 | 2.5 | 3.7 | 1.9 | 8.1 |
| | Number | | 59 | 135 | 4 | 13 | 7 | 22 | 6 | 5 | 1 | 12 | 2 | 6 | 2 | 5 | 2 | 10 |
| Farm Laborers and Farm Foremen | Percent | 1.6 | 1.7 | 2.3 | - | - | - | 1.2 | - | - | - | .8 | 1.8 | 3.4 | - | 1.5 | .9 | - |
| | Number | | 38 | 63 | - | - | - | 2 | - | - | - | 1 | 3 | 6 | - | 2 | 1 | - |
| Laborers | Percent | 6.1 | 3.0 | 8.1 | 3.0 | 7.1 | 2.2 | 18.6 | 10.4 | 6.3 | 1.6 | 12.9 | 3.6 | 4.5 | - | 6.6 | 4.7 | 8.9 |
| | Number | | 52 | 156 | 3 | 13 | 3 | 31 | 10 | 7 | 1 | 17 | 6 | 8 | - | 9 | 5 | 11 |
| Never Worked | Percent | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Number | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Respondent | Percent | | 35.6 | 34.1 | 37.4 | 58.2 | 38.1 | 50.3 | 33.3 | 14.9 | 19.1 | 32.5 | 25.9 | 18.9 | 40.1 | 30.8 | 38.4 | 19.1 |
| | Number | | 1419 | 1789 | 101 | 184 | 135 | 167 | 96 | 112 | 63 | 132 | 168 | 176 | 79 | 136 | 106 | 124 |
| Non-Respondent | Percent | | 64.4 | 65.9 | 62.6 | 41.8 | 61.9 | 49.7 | 66.7 | 85.1 | 80.9 | 67.5 | 74.1 | 81.1 | 59.9 | 69.2 | 61.6 | 80.9 |
| | Number | | 2611 | 4476 | 169 | 132 | 219 | 165 | 192 | 641 | 267 | 274 | 480 | 755 | 118 | 306 | 170 | 525 |
| Grand Total | Percent | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | | 4030 | 6265 | 270 | 316 | 354 | 332 | 288 | 753 | 330 | 406 | 648 | 931 | 197 | 442 | 276 | 649 |
| Mean | | | 13.4 | 13.9 | 13.3 | 13.7 | 13.5 | 15.0 | 14.1 | 13.4 | 13.1 | 14.3 | 13.1 | 13.5 | 12.9 | 13.9 | 13.5 | 13.8 |
| Median | | | 13.1 | 13.5 | 13.1 | 13.4 | 13.3 | 14.2 | 13.4 | 13.2 | 13.1 | 13.4 | 13.0 | 13.1 | 13.0 | 13.6 | 13.1 | 13.5 |
| Standard Deviation | | | 1.9 | 2.3 | 1.8 | 2.2 | 1.9 | 2.6 | 2.2 | 2.2 | 1.8 | 2.4 | 2.0 | 2.1 | 1.5 | 2.1 | 1.9 | 2.4 |

Occupational category was coded as follows:

19 = Professional, Semi-Professional
18 = Farmers, Farm Members
17 = Proprietors, Managers, and Officials
16 = Sales
15 = Craftsmen, Foremen, and Kindred Workers
14 = Operatives and Kindred Workers
13 = Service Workers
12 = Farm Laborers and Farm Foremen
11 = Laborers

Source for U.S. Population: Census of Population: 1970, General Social and Economic Characteristics, U.S. Bureau of the Census Final Report PC91-C1, United States Summary, U.S. Government Printing Office, Washington, D.C., 1972.

## Table C1-5 (cont.)

## DISTRIBUTION OF FATHER'S OCCUPATION BY FT/NFT FOR COHORT III KINDERGARTEN ANALYTIC SAMPLE (CONTINUED)

| | | U.S. Population | EDC | | TELP | | ILM | | SEDL | | CLA | | Home-School Partnership | | Cal Process | | New School Approach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| Professional, Semi-professional | Percent | 13.5 | 10.9 | 7.8 | 6.8 | 4.1 | 16.7 | 12.8 | 13.7 | 12.8 | 7.9 | - | - | 10.0 | 5.4 | 25.9 | 16.3 | 6.1 |
| | Number | | 14 | 10 | 10 | 8 | 4 | 5 | 31 | 27 | 3 | - | - | 3 | 3 | 7 | 7 | 6 |
| Farmers, Farm Workers | Percent | 2.7 | - | - | - | .5 | - | - | 11.0 | 16.6 | - | - | - | - | - | - | 4.7 | 1.0 |
| | Number | | - | - | - | 1 | - | - | 25 | 35 | - | - | - | - | - | - | 2 | 1 |
| Proprietors, Managers, and Officials | Percent | 10.6 | 12.5 | 9.4 | 8.2 | 4.7 | 20.8 | 12.8 | 5.7 | 7.1 | 10.5 | 6.3 | 62.5 | 16.7 | 25.0 | 18.5 | 7.0 | 5.1 |
| | Number | | 16 | 12 | 12 | 9 | 5 | 5 | 13 | 15 | 4 | 2 | 5 | 5 | 14 | 5 | 3 | 5 |
| Clerical and Kindred Workers | Percent | 7.2 | 36.7 | 29.7 | 26.5 | 22.3 | 33.3 | 38.5 | 33.0 | 28.4 | 47.4 | 46.9 | 12.5 | 40.4 | 44.6 | 22.2 | 25.6 | 27.6 |
| | Number | | 47 | 38 | 39 | 43 | 8 | 15 | 75 | 60 | 18 | 15 | 1 | 12 | 25 | 6 | 11 | 27 |
| Sales | Percent | 6.8 | 26.6 | 25.8 | 19.0 | 16.6 | 25.0 | 20.5 | 18.1 | 19.0 | 18.4 | 28.1 | - | 13.3 | 8.9 | 11.1 | 25.6 | 33.7 |
| | Number | | 34 | 33 | 28 | 32 | 6 | 8 | 41 | 40 | 7 | 9 | - | 4 | 5 | 3 | 11 | 33 |
| Craftsmen, Foremen, and Kindred Workers | Percent | 19.7 | 2.3 | 6.3 | 4.8 | 2.1 | - | 2.6 | 4.0 | 1.4 | 2.6 | 3.1 | - | 3.3 | - | - | 7.0 | 4.1 |
| | Number | | 3 | 8 | 7 | 4 | - | 1 | 9 | 3 | 1 | 1 | - | 1 | - | - | 3 | 4 |
| Operatives and Kindred Workers | Percent | 12.7 | 1.6 | 2.3 | 3.4 | - | - | 5.1 | 3.5 | 4.3 | 10.5 | 6.3 | 12.5 | 6.7 | 12.5 | 11.1 | 2.3 | 2.0 |
| | Number | | 2 | 3 | 5 | - | - | 2 | 8 | 9 | 4 | 2 | 1 | 2 | 7 | 3 | 1 | 2 |
| Service Workers | Percent | 7.8 | 3.1 | 5.5 | 10.2 | 16.1 | 4.2 | 2.6 | 4.0 | 5.2 | - | 3.1 | 12.5 | 3.3 | 3.6 | 11.1 | 7.0 | 7.1 |
| | Number | | 4 | 7 | 15 | 31 | 1 | 1 | 9 | 11 | - | 1 | 1 | 1 | 2 | 3 | 3 | 7 |
| Farm Laborers and Farm Foremen | Percent | 1.6 | .8 | - | 14.3 | 22.3 | - | - | 4.8 | 3.3 | - | - | - | - | - | - | 2.3 | 2.0 |
| | Number | | 1 | - | 21 | 43 | - | - | 11 | 7 | - | - | - | - | - | - | 1 | 2 |
| Laborers | Percent | 6.1 | 5.5 | 13.3 | 6.8 | 11.4 | - | 5.1 | 2.2 | 1.9 | 2.6 | 6.3 | - | 6.7 | - | - | 2.3 | 11.2 |
| | Number | | 7 | 17 | 10 | 22 | - | 2 | 5 | 4 | 1 | 2 | - | 2 | - | - | 1 | 11 |
| Never Worked | Percent | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Number | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Respondent | Percent | | 47.2 | 21.2 | 60.2 | 73.9 | 15.8 | 11.4 | 41.5 | 30.1 | 31.4 | 30.2 | 25.0 | 14.5 | 25.2 | 37.5 | 55.1 | 68.1 |
| | Number | | 128 | 128 | 147 | 193 | 24 | 39 | 227 | 211 | 38 | 32 | 8 | 30 | 56 | 27 | 43 | 98 |
| Non-Respondent | Percent | | 52.8 | 78.8 | 39.8 | 26.1 | 84.2 | 88.6 | 58.5 | 69.9 | 68.6 | 69.8 | 75.0 | 85.5 | 74.8 | 62.5 | 44.9 | 31.9 |
| | Number | | 143 | 475 | 97 | 68 | 128 | 302 | 320 | 491 | 83 | 74 | 24 | 177 | 166 | 45 | 35 | 46 |
| Grand Total | Percent | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | | 271 | 603 | 244 | 261 | 152 | 341 | 547 | 702 | 121 | 106 | 32 | 207 | 222 | 72 | 78 | 144 |
| Mean | | | 13.4 | 14.1 | 14.6 | 15.5 | 12.7 | 13.3 | 13.2 | 13.0 | 13.4 | 14.0 | 13.3 | 13.5 | 13.2 | 12.9 | 13.3 | 14.3 |
| Median | | | 13.2 | 13.6 | 13.9 | 15.4 | 12.9 | 13.1 | 13.1 | 13.0 | 13.2 | 13.4 | 12.3 | 13.1 | 12.9 | 12.8 | 13.4 | 13.8 |
| Standard Deviation | | | 2.0 | 2.4 | 2.5 | 2.6 | 1.6 | 2.1 | 2.2 | 2.2 | 1.7 | 1.7 | 2.1 | 2.2 | 1.6 | 2.4 | 2.2 | 2.3 |

Occupational category was coded as follows:

19 = Professional, Semi-Professional
18 = Farmers, Farm Members
17 = Proprietors, Managers, and Officials
16 = Sales
15 = Craftsmen, Foremen, and Kindred Workers
14 = Operatives and Kindred Workers
13 = Service Workers
12 = Farm Laborers and Farm Foremen
11 = Laborers

Source for U.S. Population: Census of Population: 1970. General Social and Economic Characteristics, U.S. Bureau of the Census Final Report PC91-C1, United States Summary, U.S. Government Printing Office, Washington, D.C., 1972.

## Table C1-6

## DISTRIBUTION OF HOUSEHOLD INCOME BY FT/NFT FOR COHORT III ENTERING FIRST ANALYTIC SAMPLE

| | | Responsive Education | | TEEM | | Direct Instruction | | BOPTA | | Analytic Sample | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| $1500 | Percent | 20.7 | 8.2 | 20.8 | 10.5 | 32.7 | 10.3 | 11.8 | 9.7 | 21.5 | 9.7 |
| | Number | 37 | 6 | 54 | 28 | 54 | 11 | 22 | 13 | 167 | 58 |
| $2000 | Percent | 13.4 | 4.1 | 9.7 | 4.9 | 17.6 | 9.3 | 5.9 | 6.0 | 11.7 | 6.1 |
| | Number | 24 | 3 | 25 | 13 | 29 | 10 | 11 | 8 | 89 | 34 |
| $2500 | Percent | 7.3 | 4.1 | 5.8 | 4.5 | 8.5 | 5.6 | 4.3 | 8.2 | 6.5 | 5.6 |
| | Number | 13 | 3 | 15 | 12 | 14 | 6 | 8 | 11 | 50 | 32 |
| $3200 | Percent | 4.5 | 11.0 | 6.9 | 4.1 | 9.1 | 3.7 | 7.0 | 6.7 | 6.9 | 6.4 |
| | Number | 8 | 8 | 18 | 11 | 15 | 4 | 13 | 9 | 54 | 32 |
| $3800 | Percent | 6.7 | 2.7 | 6.2 | 3.0 | 2.4 | 1.9 | 7.5 | 3.7 | 5.7 | 2.8 |
| | Number | 12 | 2 | 16 | 8 | 4 | 2 | 14 | 5 | 46 | 17 |
| $4200 | Percent | 1.7 | 2.7 | 1.9 | 3.8 | 1.8 | 2.8 | 2.7 | 1.5 | 2.0 | 2.7 |
| | Number | 3 | 2 | 5 | 10 | 3 | 3 | 5 | 2 | 16 | 17 |
| $4400 | Percent | 2.8 | 5.5 | 2.3 | 2.3 | 1.8 | .9 | 3.8 | 3.0 | 2.7 | 2.9 |
| | Number | 5 | 4 | 6 | 6 | 3 | 1 | 7 | 4 | 21 | 15 |
| $4700 | Percent | 2.2 | 1.4 | 3.5 | 1.9 | 3.0 | 1.9 | 3.2 | 3.0 | 3.0 | 2.1 |
| | Number | 4 | 1 | 9 | 5 | 5 | 2 | 6 | 4 | 24 | 12 |
| $5000 | Percent | 3.4 | 2.7 | 4.6 | 6.0 | 4.8 | .9 | 8.6 | 3.7 | 5.4 | 3.3 |
| | Number | 6 | 2 | 12 | 16 | 8 | 1 | 16 | 5 | 42 | 24 |
| $5200 | Percent | 5.6 | 1.4 | 5.4 | 4.5 | 2.4 | .9 | 5.9 | 3.7 | 4.8 | 2.6 |
| | Number | 10 | 1 | 14 | 12 | 4 | 1 | 11 | 5 | 35 | 19 |
| $5700 | Percent | 4.5 | 1.4 | 3.9 | 4.1 | 2.4 | 4.7 | 4.3 | 6.0 | 3.8 | 4.1 |
| | Number | 8 | 1 | 10 | 11 | 4 | 5 | 8 | 8 | 30 | 25 |
| $6200 | Percent | 2.8 | 5.5 | 5.4 | 2.6 | 3.0 | 1.9 | 3.2 | 3.7 | 3.6 | 3.4 |
| | Number | 5 | 4 | 14 | 7 | 5 | 2 | 6 | 5 | 30 | 18 |
| $6800 | Percent | .6 | 2.7 | 2.3 | 5.6 | .6 | .9 | 2.7 | 3.7 | 1.6 | 3.2 |
| | Number | 1 | 2 | 6 | 15 | 1 | 1 | 5 | 5 | 13 | 23 |
| $7200 | Percent | 1.1 | 5.5 | 1.5 | 3.0 | 1.8 | - | 2.2 | 1.5 | 1.7 | 2.5 |
| | Number | 2 | 4 | 4 | 8 | 3 | - | 4 | 2 | 13 | 14 |
| $7400 | Percent | 1.1 | - | 1.5 | .4 | .6 | - | 1.6 | .7 | 1.2 | .3 |
| | Number | 2 | - | 4 | 1 | 1 | - | 3 | 1 | 10 | 2 |
| $7700 | Percent | 1.7 | 1.4 | .8 | 2.6 | - | 1.9 | .5 | 4.5 | .8 | 2.6 |
| | Number | 3 | 1 | 2 | 7 | - | 2 | 1 | 6 | 6 | 16 |
| $8000 | Percent | 1.1 | 5.5 | 1.9 | 3.0 | - | 4.7 | 2.2 | 1.5 | 1.3 | 3.7 |
| | Number | 2 | 4 | 5 | 8 | - | 5 | 4 | 2 | 11 | 19 |
| $8200 | Percent | 3.4 | 2.7 | 2.7 | 3.4 | 2.4 | 2.8 | 1.1 | 2.2 | 2.4 | 2.8 |
| | Number | 6 | 2 | 7 | 9 | 4 | 3 | 2 | 3 | 19 | 17 |
| $8700 | Percent | 2.2 | 2.7 | 2.7 | 3.0 | 1.2 | 4.7 | 1.6 | 4.5 | 1.9 | 3.7 |
| | Number | 4 | 2 | 7 | 8 | 2 | 5 | 3 | 6 | 16 | 21 |
| $9200 | Percent | 1.1 | 2.7 | .4 | 2.6 | 1.2 | 3.7 | 1.6 | .7 | 1.1 | 2.4 |
| | Number | 2 | 2 | 1 | 7 | 2 | 4 | 3 | 1 | 8 | 14 |
| $9800 | Percent | 2.2 | 5.5 | .8 | 3.4 | - | 5.6 | 2.7 | 6.0 | 1.4 | 5.1 |
| | Number | 4 | 4 | 2 | 9 | - | 6 | 5 | 8 | 11 | 27 |
| $9999+ | Percent | 10.1 | 20.5 | 8.9 | 20.7 | 2.4 | 30.8 | 15.6 | 15.7 | 9.3 | 21.9 |
| | Number | 18 | 15 | 23 | 55 | 4 | 33 | 29 | 21 | 74 | 124 |
| Respondent | Percent | 58.9 | 73.7 | 59.7 | 61.7 | 62.3 | 71.3 | 54.2 | 78.8 | 58.8 | 71.4 |
| | Number | 179 | 73 | 259 | 266 | 165 | 107 | 186 | 134 | 789 | 580 |
| Non-Respondent | Percent | 41.1 | 26.3 | 40.3 | 38.3 | 37.7 | 28.7 | 45.8 | 21.2 | 41.2 | 28.6 |
| | Number | 125 | 26 | 175 | 165 | 100 | 43 | 157 | 36 | 557 | 270 |
| Grand Total | Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | 304 | 99 | 434 | 431 | 265 | 150 | 343 | 170 | 1346 | 850 |
| Mean | | 4558 | 6241 | 4575 | 6146 | 3306 | 6591 | 5396 | 5788 | 4459 | 6132 |
| Median | | 3825 | 6275 | 4160 | 6129 | 2097 | 8000 | 4988 | 5625 | 3768 | 6507 |
| Standard Deviation | | 2934 | 3037 | 2766 | 2997 | 2251 | 3379 | 2868 | 3004 | 2795 | 3104 |

## Table C1-7

## DISTRIBUTION OF MOTHER'S EDUCATION BY FT/NFT FOR COHORT III ENTERING FIRST ANALYTIC SAMPLE

| | | Responsive Education | | TEEM | | Direct Instruction | | BOPTA | | Analytic Sample | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| No Schooling | Percent | - | - | 1.2 | - | - | - | .5 | 1.5 | .4 | .4 |
| | Number | - | - | 3 | - | - | - | 1 | 2 | 4 | 2 |
| Kindergarten through Third Grade | Percent | - | - | 1.6 | 1.9 | 2.8 | - | 2.7 | 2.2 | 1.8 | 1.0 |
| | Number | - | - | 4 | 5 | 4 | - | 5 | 3 | 13 | 8 |
| Fourth through Sixth Grade | Percent | 3.4 | 2.9 | 8.1 | 6.6 | 5.5 | 2.0 | 10.2 | 13.2 | 6.8 | 6.2 |
| | Number | 6 | 2 | 20 | 17 | 8 | 2 | 19 | 18 | 53 | 39 |
| Seventh through Eighth Grade | Percent | 10.7 | 11.6 | 29.3 | 17.9 | 18.6 | 9.0 | 17.6 | 16.2 | 19.1 | 13.7 |
| | Number | 19 | 8 | 72 | 46 | 27 | 9 | 33 | 22 | 151 | 85 |
| High School Incomplete | Percent | 39.0 | 39.1 | 30.9 | 32.3 | 37.2 | 34.0 | 25.7 | 19.9 | 33.2 | 31.3 |
| | Number | 69 | 27 | 76 | 83 | 54 | 34 | 48 | 27 | 247 | 171 |
| High School Complete | Percent | 34.5 | 36.2 | 22.0 | 25.7 | 25.5 | 30.0 | 31.0 | 34.6 | 28.3 | 31.6 |
| | Number | 61 | 25 | 54 | 66 | 37 | 30 | 58 | 47 | 210 | 168 |
| College Incomplete | Percent | 3.4 | 5.8 | 5.7 | 10.1 | 9.0 | 18.0 | 8.0 | 8.8 | 6.5 | 10.7 |
| | Number | 6 | 4 | 14 | 26 | 13 | 18 | 15 | 12 | 48 | 60 |
| College Complete | Percent | 9.0 | 4.3 | 1.2 | 5.4 | 1.4 | 7.0 | 4.3 | 3.7 | 4.0 | 5.1 |
| | Number | 16 | 3 | 3 | 14 | 2 | 7 | 8 | 5 | 29 | 29 |
| Respondent | Percent | 58.2 | 69.7 | 56.7 | 59.6 | 54.7 | 66.7 | 54.5 | 80.0 | 56.0 | 69.0 |
| | Number | 177 | 69 | 246 | 257 | 145 | 100 | 187 | 136 | 755 | 562 |
| Non-Respondent | Percent | 41.8 | 30.3 | 43.3 | 40.4 | 45.3 | 33.3 | 45.5 | 20.0 | 44.0 | 31.0 |
| | Number | 127 | 30 | 188 | 174 | 120 | 50 | 156 | 34 | 591 | 288 |
| Grand Total | Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | 304 | 99 | 434 | 431 | 265 | 150 | 343 | 170 | 1346 | 850 |
| Mean | | 5.5 | 5.4 | 4.8 | 5.3 | 5.1 | 5.7 | 5.1 | 5.1 | 5.1 | 5.4 |
| Median | | 5.4 | 5.4 | 4.8 | 5.3 | 5.1 | 5.7 | 5.2 | 5.4 | 6.5 | 5.5 |
| Standard Deviation | | 1.1 | 1.0 | 1.2 | 1.3 | 1.2 | 1.1 | 1.4 | 1.5 | 1.2 | 1.2 |

Education level was coded as follows:

1 = No Schooling
2 = Kindergarten through Third Grade
3 = Fourth through Sixth Grade
4 = Seventh through Eighth Grade
5 = High School Incomplete
6 = High School Complete
7 = College Incomplete
8 = College Complete

## Table C1-8

## DISTRIBUTION OF FATHER'S EDUCATION BY FT/NFT FOR COHORT III ENTERING FIRST ANALYTIC SAMPLE

| | | Responsive Education | | TEEM | | Direct Instruction | | BOPTA | | Analytic Sample | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| No Schooling | Percent | - | - | 2.1 | .9 | 2.6 | - | .6 | 3.2 | 1.3 | 1.0 |
| | Number | - | - | 4 | 2 | 2 | - | 1 | 4 | 7 | 6 |
| Kindergarten through Third Grade | Percent | 4.0 | 3.8 | 6.4 | .9 | 7.7 | 2.4 | 6.0 | 4.0 | 6.0 | 2.8 |
| | Number | 4 | 2 | 12 | 2 | 6 | 2 | 10 | 5 | 32 | 11 |
| Fourth through Sixth Grade | Percent | 6.9 | 9.4 | 19.3 | 13.5 | 17.9 | 7.2 | 15.0 | 16.1 | 14.8 | 11.6 |
| | Number | 7 | 5 | 36 | 30 | 14 | 6 | 25 | 20 | 82 | 61 |
| Seventh through Eighth Grade | Percent | 17.8 | 15.1 | 23.5 | 18.8 | 19.2 | 8.4 | 19.8 | 15.3 | 20.1 | 14.4 |
| | Number | 18 | 8 | 44 | 42 | 15 | 7 | 33 | 19 | 110 | 76 |
| High School Incomplete | Percent | 24.8 | 24.5 | 25.7 | 19.7 | 26.9 | 21.7 | 21.0 | 19.4 | 24.6 | 21.3 |
| | Number | 25 | 13 | 48 | 44 | 21 | 18 | 35 | 24 | 129 | 99 |
| High School Complete | Percent | 28.7 | 28.3 | 16.0 | 28.7 | 17.9 | 30.1 | 23.4 | 29.0 | 21.5 | 29.0 |
| | Number | 29 | 15 | 30 | 64 | 14 | 25 | 39 | 36 | 112 | 140 |
| College Incomplete | Percent | 4.0 | 11.3 | 4.8 | 8.5 | 2.6 | 18.1 | 5.4 | 7.3 | 4.2 | 11.3 |
| | Number | 4 | 6 | 9 | 19 | 2 | 15 | 9 | 9 | 24 | 49 |
| College Complete | Percent | 13.9 | 7.5 | 2.1 | 9.0 | 5.1 | 12.0 | 9.0 | 5.6 | 7.5 | 8.5 |
| | Number | 14 | 4 | 4 | 20 | 4 | 10 | 15 | 7 | 37 | 41 |
| Respondent | Percent | 33.2 | 53.5 | 43.1 | 51.7 | 29.4 | 55.3 | 48.7 | 72.9 | 38.6 | 58.4 |
| | Number | 101 | 53 | 187 | 223 | 78 | 83 | 167 | 124 | 533 | 483 |
| Non-Respondent | Percent | 66.8 | 46.5 | 56.9 | 48.3 | 70.6 | 44.7 | 51.3 | 27.1 | 61.4 | 41.7 |
| | Number | 203 | 46 | 247 | 208 | 187 | 67 | 176 | 46 | 813 | 367 |
| Grand Total | Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | 304 | 99 | 434 | 431 | 265 | 150 | 343 | 170 | 1346 | 850 |
| Mean | | 5.3 | 5.3 | 4.4 | 5.2 | 4.5 | 5.7 | 4.9 | 4.9 | 4.8 | 5.3 |
| Median | | 5.4 | 5.4 | 4.4 | 5.3 | 4.6 | 5.8 | 4.9 | 5.1 | 4.8 | 5.4 |
| Standard Deviation | | 1.6 | 1.5 | 1.5 | 1.5 | 1.6 | 1.5 | 1.6 | 1.7 | 1.6 | 1.6 |

Education level was coded as follows:

1 = No Schooling
2 = Kindergarten through Third Grade
3 = Fourth through Sixth Grade
4 = Seventh through Eighth Grade
5 = High School Incomplete
6 = High School Complete
7 = College Incomplete
8 = College Complete

## Table C1-9

## DISTRIBUTION OF MOTHER'S OCCUPATION BY FT/NFT FOR COHORT III ENTERING FIRST ANALYTIC SAMPLE

| | | U.S. Popu-lation | Analytic Sample | | Responsive Education | | TEEM | | Direct Instruction | | BOPTA | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| Professional, Semi-professional | Percent | 14.8 | .1 | .1 | - | - | .5 | .5 | - | - | - | - |
| | Number | | 1 | 1 | - | - | 1 | 1 | - | - | - | - |
| Farmers, Farm Workers | Percent | .2 | 4.7 | 1.7 | 3.8 | 3.0 | 1.0 | .5 | 12.0 | 1.1 | 2.1 | 2.1 |
| | Number | | 27 | 6 | 6 | 2 | 2 | 1 | 16 | 1 | 3 | 2 |
| Proprietors, Managers, and Officials | Percent | 3.5 | 44.1 | 30.0 | 44.7 | 26.9 | 55.7 | 34.5 | 42.9 | 24.4 | 33.1 | 34.0 |
| | Number | | 282 | 144 | 71 | 18 | 107 | 71 | 57 | 22 | 47 | 33 |
| Clerical and Kindred Workers | Percent | 32.9 | 27.5 | 26.3 | 25.2 | 31.3 | 22.9 | 22.3 | 29.3 | 25.6 | 32.4 | 25.8 |
| | Number | | 169 | 115 | 40 | 21 | 44 | 46 | 39 | 23 | 46 | 25 |
| Sales | Percent | 6.9 | 1.7 | 1.7 | .6 | 1.5 | 2.6 | 1.0 | .8 | 2.2 | 2.8 | 2.1 |
| | Number | | 11 | 7 | 1 | 1 | 5 | 2 | 1 | 2 | 4 | 2 |
| Craftsmen, Foremen, and Kindred Workers | Percent | 1.7 | 2.5 | 6.0 | 3.1 | 9.0 | 1.0 | 8.3 | 2.3 | 4.4 | 3.5 | 2.1 |
| | Number | | 15 | 29 | 5 | 6 | 2 | 17 | 3 | 4 | 5 | 2 |
| Operatives and Kindred Workers | Percent | 12.8 | 12.3 | 23.6 | 15.1 | 20.9 | 9.4 | 23.3 | 10.5 | 25.6 | 14.1 | 24.7 |
| | Number | | 76 | 109 | 24 | 14 | 18 | 48 | 14 | 23 | 20 | 24 |
| Service Workers | Percent | 15.2 | 1.4 | 3.4 | - | 1.5 | 2.1 | 2.4 | - | 6.7 | 3.5 | 3.1 |
| | Number | | 9 | 15 | - | 1 | 4 | 5 | - | 6 | 5 | 3 |
| Farm Laborers and Farm Foremen | Percent | .5 | .3 | .9 | - | 1.5 | .5 | - | - | 2.2 | .7 | - |
| | Number | | 2 | 3 | - | 1 | 1 | - | - | 2 | 1 | - |
| Laborers | Percent | .9 | 5.4 | 6.5 | 7.5 | 4.5 | 4.2 | 7.3 | 2.3 | 7.8 | 7.7 | 6.2 |
| | Number | | 34 | 31 | 12 | 3 | 8 | 15 | 3 | 7 | 11 | 6 |
| Never Worked | Percent | | - | - | - | - | - | - | - | - | - | - |
| | Number | | - | - | - | - | - | - | - | - | - | - |
| Respondent | Percent | | 47.0 | 58.2 | 52.3 | 67.7 | 44.2 | 47.8 | 50.2 | 60.0 | 41.4 | 57.1 |
| | Number | | 626 | 460 | 159 | 67 | 192 | 206 | 133 | 90 | 142 | 97 |
| Non-Respondent | Percent | | 53.0 | 41.9 | 47.7 | 32.3 | 55.8 | 52.2 | 49.8 | 40.0 | 58.6 | 42.9 |
| | Number | | 720 | 390 | 145 | 32 | 242 | 225 | 132 | 60 | 201 | 73 |
| Grand Total | Percent | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | | 1346 | 850 | 304 | 99 | 434 | 431 | 265 | 150 | 343 | 170 |
| Mean | | | 13.3 | 14.1 | 13.5 | 13.9 | 13.1 | 14.0 | 12.8 | 14.5 | 13.8 | 13.9 |
| Median | | | 12.6 | 13.2 | 12.6 | 13.1 | 12.4 | 13.2 | 12.4 | 13.5 | 13.0 | 13.0 |
| Standard Deviation | | | 2.0 | 2.2 | 2.2 | 2.0 | 1.9 | 2.2 | 1.7 | 2.3 | 2.2 | 2.2 |

Occupational category was coded as follows:

19 = Professional, Semi-Professional
18 = Farmers, Farm Members
17 = Proprietors, Managers, and Officials
16 = Sales
15 = Craftsmen, Foremen, and Kindred Workers
14 = Operatives and Kindred Workers
13 = Service Workers
12 = Farm Laborers and Farm Foremen
11 = Laborers

Source for U.S. Population: Census of Population: 1970, General Social and Economic Characteristics, U.S. Bureau of the Census Final Report PC91-C1, United States Summary, U.S. Government Printing Office, Washington, D.C., 1972.

## Table C1-10

## DISTRIBUTION OF FATHER'S OCCUPATION BY FT/NFT FOR COHORT III ENTERING FIRST ANALYTIC SAMPLE

| | | U.S. Population | Analytic Sample | | Responsive Education | | TEEM | | Direct Instruction | | BOPTA | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| Professional, Semi-professional | Percent | 13.5 | 9.3 | 5.2 | 7.0 | 5.7 | 10.6 | 5.8 | 11.7 | 3.6 | 7.9 | 5.7 |
| | Number | | 49 | 26 | 7 | 3 | 20 | 13 | 9 | 3 | 13 | 7 |
| Farmers, Farm Workers | Percent | 2.7 | 3.8 | 1.3 | 1.0 | - | 1.1 | 1.3 | 11.7 | 2.4 | 1.2 | 1.6 |
| | Number | | 14 | 7 | 1 | - | 2 | 3 | 9 | 2 | 2 | 2 |
| Proprietors, Managers, and Officials | Percent | 10.6 | 8.0 | 8.9 | 12.0 | 9.4 | 8.0 | 8.5 | 5.2 | 9.6 | 6.7 | 8.2 |
| | Number | | 42 | 42 | 12 | 5 | 15 | 19 | 4 | 8 | 11 | 10 |
| Clerical and Kindred Workers | Percent | 7.2 | 36.6 | 28.0 | 33.0 | 26.4 | 43.1 | 37.9 | 37.7 | 26.5 | 32.7 | 21.3 |
| | Number | | 197 | 147 | 33 | 14 | 81 | 85 | 29 | 22 | 54 | 26 |
| Sales | Percent | 6.8 | 25.3 | 22.8 | 25.0 | 26.4 | 23.4 | 23.7 | 26.0 | 20.5 | 26.7 | 20.5 |
| | Number | | 133 | 109 | 25 | 14 | 44 | 53 | 20 | 17 | 44 | 25 |
| Craftsmen, Foremen, and Kindred Workers | Percent | 19.7 | 2.9 | 5.7 | 4.0 | 5.7 | 2.7 | 4.0 | - | 7.2 | 4.8 | 5.7 |
| | Number | | 17 | 25 | 4 | 3 | 5 | 9 | - | 6 | 8 | 7 |
| Operatives and Kindred Workers | Percent | 12.7 | 1.9 | 5.2 | 2.0 | 7.5 | 4.3 | 1.8 | - | 4.8 | 1.2 | 6.6 |
| | Number | | 12 | 20 | 2 | 4 | 8 | 4 | - | 4 | 2 | 8 |
| Service Workers | Percent | 7.8 | 4.5 | 10.5 | 6.0 | 9.4 | 1.1 | 6.3 | 1.3 | 13.3 | 9.7 | 13.1 |
| | Number | | 25 | 46 | 6 | 5 | 2 | 14 | 1 | 11 | 16 | 16 |
| Farm Laborers and Farm Foremen | Percent | 1.6 | 1.0 | 4.9 | - | 1.9 | 1.6 | 2.2 | 1.3 | 2.4 | 1.2 | 13.1 |
| | Number | | 6 | 24 | - | 1 | 3 | 5 | 1 | 2 | 2 | 16 |
| Laborers | Percent | 6.1 | 6.9 | 7.4 | 10.0 | 7.5 | 4.3 | 8.5 | 5.2 | 9.6 | 7.9 | 4.1 |
| | Number | | 35 | 36 | 10 | 4 | 8 | 19 | 4 | 8 | 13 | 5 |
| Never Worked | Percent | | - | - | - | - | - | - | - | - | - | - |
| | Number | | - | - | - | - | - | - | - | - | - | - |
| Respondent | Percent | | 38.4 | 58.2 | 32.9 | 53.5 | 43.3 | 52.0 | 29.1 | 55.3 | 48.1 | 71.8 |
| | Number | | 530 | 482 | 100 | 53 | 188 | 224 | 77 | 83 | 165 | 122 |
| Non-Respondent | Percent | | 61.7 | 41.9 | 67.1 | 46.5 | 56.7 | 48.0 | 70.9 | 44.7 | 51.9 | 28.2 |
| | Number | | 816 | 850 | 204 | 46 | 246 | 207 | 188 | 67 | 178 | 48 |
| Grand Total | Percent | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | | 1346 | 1332 | 304 | 99 | 434 | 431 | 265 | 150 | 343 | 170 |
| Mean | | | 13.6 | 14.4 | 13.9 | 14.3 | 13.4 | 14.0 | 13.1 | 14.5 | 14.0 | 14.7 |
| Median | | | 13.3 | 13.8 | 13.4 | 13.8 | 13.2 | 13.4 | 13.1 | 13.9 | 13.6 | 14.1 |
| Standard Deviation | | | 2.2 | 2.3 | 2.3 | 2.2 | 1.9 | 2.2 | 2.1 | 2.4 | 2.3 | 2.4 |

Occupational category was coded as follows:

19 = Professional, Semi-Professional
18 = Farmers, Farm Members
17 = Proprietors, Managers, and Officials
16 = Sales
15 = Craftsmen, Foremen, and Kindred Workers
14 = Operatives and Kindred Workers
13 = Service Workers
12 = Farm Laborers and Farm Foremen
11 = Laborers

Source for U.S. Population: Census of Population: 1970, General Social and Economic Characteristics, U.S. Bureau of the Census Final Report PC(1)-C1, United States Summary, U.S. Government Printing Office, Washington, D.C., 1972.

## Table C1-11

## DISTRIBUTION OF HOUSEHOLD INCOME BY FT/NFT FOR COHORT II ENTERING FIRST ANALYTIC SAMPLE

| | | Bank Street | | Direct Instruction | | Cognitive Curriculum | | Parent Education | | EDC | | Analytic Sample | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| $1000 | Percent | 8.6 | - | 9.4 | 10.1 | 8.3 | 7.7 | - | .6 | 2.5 | 1.2 | 5.8 | 3.9 |
| | Number | 3 | - | 13 | 13 | 4 | 3 | - | 1 | 4 | 2 | 24 | 19 |
| $1500 | Percent | 20.0 | 50.0 | 21.6 | 17.8 | 20.8 | 20.5 | 12.2 | 9.0 | 13.4 | 1.8 | 17.6 | 19.8 |
| | Number | 7 | 5 | 30 | 23 | 10 | 8 | 16 | 14 | 21 | 3 | 84 | 53 |
| $2000 | Percent | 5.7 | - | 15.1 | 10.9 | 29.2 | 17.9 | 6.9 | 6.5 | 3.2 | 1.2 | 12.0 | 7.3 |
| | Number | 2 | - | 21 | 14 | 14 | 7 | 9 | 10 | 5 | 2 | 51 | 33 |
| $2500 | Percent | 11.4 | 10.0 | 10.8 | 6.2 | 16.7 | 7.7 | 2.3 | 4.5 | 1.3 | .6 | 8.5 | 5.8 |
| | Number | 4 | 1 | 15 | 8 | 8 | 3 | 3 | 7 | 2 | 1 | 32 | 20 |
| $3000 | Percent | 5.7 | - | 10.8 | 7.8 | 10.4 | 10.3 | 4.6 | 7.7 | 3.2 | 4.3 | 6.9 | 6.0 |
| | Number | 2 | - | 15 | 10 | 5 | 4 | 6 | 12 | 5 | 7 | 33 | 33 |
| $3500 | Percent | 11.4 | - | 5.0 | - | 6.3 | - | 4.6 | 3.2 | 4.5 | 1.8 | 6.4 | 1.0 |
| | Number | 4 | - | 7 | - | 3 | - | 6 | 5 | 7 | 3 | 27 | 8 |
| $4000 | Percent | 11.4 | 10.0 | 6.5 | 5.4 | - | 10.3 | 6.9 | 3.9 | 7.0 | 1.2 | 6.4 | 6.2 |
| | Number | 4 | 1 | 9 | 7 | - | 4 | 9 | 6 | 11 | 2 | 33 | 20 |
| $4500 | Percent | 2.9 | - | 3.6 | 3.1 | - | - | 6.1 | 5.2 | 4.5 | 3.7 | 3.4 | 2.4 |
| | Number | 1 | - | 5 | 4 | - | - | 8 | 8 | 7 | 6 | 21 | 18 |
| $5000 | Percent | 5.7 | 10.0 | 2.9 | 1.6 | 2.1 | 2.6 | 6.1 | 8.4 | 6.4 | 4.3 | 4.6 | 5.4 |
| | Number | 2 | 1 | 4 | 2 | 1 | 1 | 8 | 13 | 10 | 7 | 25 | 24 |
| $5500 | Percent | 5.7 | - | - | .8 | 2.1 | 2.6 | 9.2 | 5.2 | 4.5 | 3.7 | 4.3 | 2.5 |
| | Number | 2 | - | - | 1 | 1 | 1 | 12 | 8 | 7 | 6 | 22 | 16 |
| $6000 | Percent | 2.9 | - | 4.3 | 3.9 | 2.1 | 2.6 | 6.1 | 9.0 | 5.7 | 4.3 | 4.2 | 4.0 |
| | Number | 1 | - | 6 | 5 | 1 | 1 | 8 | 14 | 9 | 7 | 25 | 27 |
| $6500 | Percent | 2.9 | - | 2.2 | 2.3 | - | 5.1 | 3.1 | 4.5 | 7.6 | 3.1 | 3.2 | 3.0 |
| | Number | 1 | - | 3 | 3 | - | 2 | 4 | 7 | 12 | 5 | 20 | 17 |
| $7000 | Percent | - | 10.0 | 2.2 | 2.3 | - | 2.6 | 5.3 | 4.5 | 5.1 | 6.1 | 2.5 | 5.1 |
| | Number | - | 1 | 3 | 3 | - | 1 | 7 | 7 | 8 | 10 | 13 | 22 |
| $7500 | Percent | 2.9 | - | 1.4 | .8 | - | 2.6 | 2.3 | 3.9 | 3.2 | 4.3 | 2.0 | 2.3 |
| | Number | 1 | - | 2 | 1 | - | 1 | 3 | 6 | 5 | 7 | 11 | 15 |
| $8000 | Percent | 2.9 | - | - | 2.3 | - | 2.6 | 3.1 | 3.9 | 3.8 | 4.9 | 2.0 | 2.7 |
| | Number | 1 | - | - | 3 | - | 1 | 4 | 6 | 6 | 8 | 11 | 18 |
| $8500 | Percent | - | - | - | 1.6 | - | - | 3.1 | 1.9 | 3.2 | 4.9 | 1.8 | 1.7 |
| | Number | - | - | - | 2 | - | - | 4 | 3 | 5 | 8 | 9 | 13 |
| $9000 | Percent | - | 10.0 | .7 | 2.3 | - | - | 4.6 | 3.9 | 2.5 | 4.9 | 1.6 | 4.2 |
| | Number | - | 1 | 1 | 3 | - | - | 6 | 6 | 4 | 8 | 11 | 18 |
| $9500 | Percent | - | - | - | 2.3 | - | 2.6 | 3.1 | 3.2 | 2.5 | 6.1 | 1.1 | 2.8 |
| | Number | - | - | - | 3 | - | 1 | 4 | 5 | 4 | 10 | 8 | 19 |
| $9999+ | Percent | 2.9 | - | 3.6 | 18.6 | 2.1 | 2.6 | 10.7 | 11.0 | 15.9 | 37.4 | 7.0 | 13.9 |
| | Number | 1 | - | 5 | 24 | 1 | 1 | 14 | 17 | 25 | 61 | 46 | 103 |
| Respondent | Percent | 41.7 | 41.7 | 55.4 | 68.6 | 61.5 | 75.0 | 62.4 | 51.2 | 73.4 | 91.1 | 58.9 | 65.5 |
| | Number | 35 | 10 | 139 | 129 | 48 | 39 | 131 | 155 | 157 | 163 | 510 | 496 |
| Non-Respondent | Percent | 58.3 | 58.3 | 44.6 | 31.4 | 38.5 | 25.0 | 37.6 | 48.8 | 26.6 | 8.9 | 41.1 | 34.5 |
| | Number | 49 | 14 | 112 | 59 | 30 | 13 | 79 | 148 | 57 | 16 | 327 | 250 |
| Grand Total | Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | 84 | 24 | 251 | 188 | 78 | 52 | 210 | 303 | 214 | 179 | 837 | 746 |
| Mean | | 3414 | 3500 | 3137 | 4663 | 2479 | 3487 | 5420 | 5487 | 5694 | 7690 | 4029 | 4965 |
| Median | | 3125 | 2000 | 2433 | 3075 | 2107 | 2500 | 5271 | 5344 | 5714 | 8594 | 3730 | 7303 |
| Standard Deviation | | 2084 | 2708 | 2153 | 3411 | 1533 | 2453 | 2773 | 2747 | 2928 | 2582 | 2294 | 2780 |

## Table C1-12

## DISTRIBUTION OF MOTHER'S EDUCATION BY FT/NFT FOR COHORT II ENTERING FIRST ANALYTIC SAMPLE

| | | Bank Street | | Direct Instruction | | Cognitive Curriculum | | Parent Education | | EDC | | Analytic Sample | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| No Schooling | Percent | - | - | - | - | - | - | - | - | - | - | - | - |
| | Number | - | - | - | - | - | - | - | - | - | - | - | - |
| Kindergarten through Third Grade | Percent | 6.5 | - | .8 | 2.5 | 2.4 | - | .8 | .7 | .6 | - | 2.2 | .6 |
| | Number | 2 | - | 1 | 3 | 1 | - | 1 | 1 | 1 | - | 6 | 4 |
| Fourth through Sixth Grade | Percent | 12.9 | 30.0 | 10.9 | 10.8 | 23.8 | 5.7 | 7.9 | 3.4 | 5.1 | 3.0 | 12.1 | 10.6 |
| | Number | 4 | 3 | 14 | 13 | 10 | 2 | 10 | 5 | 8 | 5 | 46 | 28 |
| Seventh through Eighth Grade | Percent | 16.1 | 20.0 | 22.7 | 10.8 | 40.5 | 22.9 | 20.5 | 8.7 | 15.3 | 8.4 | 23.0 | 14.2 |
| | Number | 5 | 2 | 29 | 13 | 17 | 8 | 25 | 13 | 24 | 14 | 101 | 50 |
| High School Incomplete | Percent | 32.3 | 30.0 | 31.3 | 30.8 | 26.2 | 45.7 | 37.0 | 45.6 | 40.1 | 31.7 | 33.4 | 36.8 |
| | Number | 10 | 3 | 40 | 37 | 11 | 16 | 47 | 68 | 63 | 53 | 171 | 177 |
| High School Complete | Percent | 29.0 | 20.0 | 26.6 | 28.3 | 7.1 | 20.0 | 27.6 | 30.2 | 34.4 | 38.9 | 24.9 | 27.5 |
| | Number | 9 | 2 | 34 | 34 | 3 | 7 | 35 | 45 | 54 | 65 | 135 | 153 |
| College Incomplete | Percent | 3.2 | - | 7.0 | 7.5 | - | 2.9 | 5.5 | 6.0 | 3.2 | 13.2 | 3.8 | 5.9 |
| | Number | 1 | - | 9 | 9 | - | 1 | 7 | 9 | 5 | 22 | 22 | 41 |
| College Complete | Percent | - | - | .8 | 9.2 | - | 2.9 | .8 | 5.4 | 1.3 | 4.8 | .6 | 4.5 |
| | Number | - | - | 1 | 11 | - | 1 | 1 | 8 | 2 | 8 | 4 | 28 |
| Respondent | Percent | 36.9 | 41.7 | 51.0 | 63.8 | 53.8 | 67.3 | 60.5 | 49.2 | 73.4 | 93.3 | 55.1 | 63.1 |
| | Number | 31 | 10 | 128 | 120 | 42 | 35 | 127 | 149 | 157 | 167 | 485 | 481 |
| Non-Respondent | Percent | 63.1 | 58.3 | 49.0 | 36.2 | 46.2 | 32.7 | 39.5 | 50.8 | 26.6 | 6.7 | 44.9 | 36.9 |
| | Number | 53 | 14 | 123 | 68 | 36 | 17 | 83 | 154 | 57 | 12 | 352 | 265 |
| Grand Total | Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | 84 | 24 | 251 | 188 | 78 | 52 | 210 | 303 | 214 | 179 | 837 | 746 |
| Mean | | 4.7 | 4.4 | 5.0 | 5.3 | 4.1 | 5.0 | 5.0 | 5.4 | 5.2 | 5.7 | 4.8 | 5.2 |
| Median | | 5.0 | 4.5 | 5.0 | 5.3 | 4.1 | 5.0 | 5.1 | 5.3 | 5.2 | 5.7 | 4.9 | 5.2 |
| Standard Deviation | | 1.3 | 1.2 | 1.2 | 1.4 | .9 | 1.0 | 1.1 | 1.1 | 1.0 | 1.1 | 1.1 | 1.2 |

Education level was coded as follows:

1 = No Schooling
2 = Kindergarten through Third Grade
3 = Fourth through Sixth Grade
4 = Seventh through Eighth Grade
5 = High School Incomplete
6 = High School Complete
7 = College Incomplete
8 = College Complete

## Table C1-13

## DISTRIBUTION OF FATHER'S EDUCATION BY FT/NFT FOR COHORT II ENTERING FIRST ANALYTIC SAMPLE

| | | Bank Street | | Direct Instruction | | Cognitive Curriculum | | Parent Education | | EDC | | Analytic Sample | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| No Schooling | Percent | - | - | 1.4 | 1.1 | 3.1 | 8.0 | - | - | - | .7 | .9 | 2.0 |
| | Number | - | - | 1 | 1 | 1 | 2 | - | - | - | 1 | 2 | 4 |
| Kindergarten through Third Grade | Percent | - | 25.0 | 5.6 | 5.3 | 15.6 | 16.0 | 2.1 | 1.0 | 1.7 | 1.3 | 5.0 | 9.7 |
| | Number | - | 2 | 4 | 5 | 5 | 4 | 2 | 1 | 2 | 2 | 13 | 14 |
| Fourth through Sixth Grade | Percent | 15.0 | 25.0 | 27.8 | 22.1 | 43.8 | 20.0 | 6.2 | 7.8 | 10.0 | 2.6 | 20.6 | 15.5 |
| | Number | 3 | 2 | 20 | 21 | 14 | 5 | 6 | 8 | 12 | 4 | 55 | 40 |
| Seventh through Eighth Grade | Percent | 20.0 | 12.5 | 20.8 | 8.4 | 21.9 | 36.0 | 18.6 | 7.8 | 17.5 | 12.4 | 19.8 | 15.4 |
| | Number | 4 | 1 | 15 | 8 | 7 | 9 | 18 | 8 | 21 | 19 | 65 | 45 |
| High School Incomplete | Percent | 35.0 | 25.0 | 29.2 | 16.8 | 12.5 | 8.0 | 42.3 | 31.1 | 20.8 | 24.8 | 28.0 | 21.1 |
| | Number | 7 | 2 | 21 | 16 | 4 | 2 | 41 | 32 | 25 | 38 | 98 | 90 |
| High School Complete | Percent | 20.0 | 12.5 | 13.9 | 20.0 | - | 4.0 | 23.7 | 35.0 | 42.5 | 37.3 | 20.0 | 21.8 |
| | Number | 4 | 1 | 10 | 19 | - | 1 | 23 | 36 | 51 | 57 | 88 | 114 |
| College Incomplete | Percent | 5.0 | - | - | 13.7 | - | 4.0 | 4.1 | 9.7 | 5.0 | 5.2 | 2.8 | 6.5 |
| | Number | 1 | - | - | 13 | - | 1 | 4 | 10 | 6 | 8 | 11 | 32 |
| College Complete | Percent | 5.0 | - | 1.4 | 12.6 | 3.1 | 4.0 | 3.1 | 7.8 | 2.5 | 15.7 | 3.0 | 8.0 |
| | Number | 1 | - | 1 | 12 | 1 | 1 | 3 | 8 | 3 | 24 | 9 | 45 |
| Respondent | Percent | 23.8 | 33.3 | 28.7 | 50.5 | 41.0 | 48.1 | 46.2 | 34.0 | 56.1 | 85.5 | 39.2 | 50.3 |
| | Number | 20 | 8 | 72 | 95 | 32 | 25 | 97 | 103 | 120 | 153 | 341 | 384 |
| Non-Respondent | Percent | 76.2 | 66.7 | 71.3 | 49.5 | 59.0 | 51.9 | 53.8 | 66.0 | 43.9 | 14.5 | 60.8 | 49.7 |
| | Number | 64 | 16 | 179 | 93 | 46 | 27 | 113 | 200 | 94 | 26 | 496 | 362 |
| Grand Total | Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | 84 | 24 | 251 | 188 | 78 | 52 | 210 | 303 | 214 | 179 | 837 | 746 |
| Mean | | 5.0 | 3.8 | 4.2 | 5.1 | 3.4 | 3.7 | 5.0 | 5.5 | 5.2 | 5.7 | 4.6 | 4.8 |
| Median | | 4.9 | 3.5 | 4.2 | 5.3 | 3.2 | 3.7 | 5.0 | 5.6 | 5.5 | 5.7 | 4.6 | 4.8 |
| Standard Deviation | | 1.3 | 1.5 | 1.3 | 1.9 | 1.3 | 1.7 | 1.1 | 1.3 | 1.2 | 1.4 | 1.2 | 1.6 |

Education level was coded as follows:

1 = No Schooling
2 = Kindergarten through Third Grade
3 = Fourth through Sixth Grade
4 = Seventh through Eighth Grade
5 = High School Incomplete
6 = High School Complete
7 = College Incomplete
8 = College Complete

## Table C1-14

## DISTRIBUTION OF MOTHER'S OCCUPATION BY FT/NFT FOR COHORT II ENTERING FIRST ANALYTIC SAMPLE

| | | U.S. Population | Analytic Sample | | Bank Street | | Direct Instruction | | Cognitive Curriculum | | Parent Education | | EDC | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| Professional, Semi-professional | Percent | 14.8 | .5 | - | - | - | - | - | - | - | 1.7 | - | .7 | - |
| | Number | | 3 | - | - | - | - | - | - | - | 2 | - | 1 | - |
| Farmers, Farm Workers | Percent | .2 | 15.5 | 4.4 | 22.2 | - | 10.0 | 9.4 | 35.9 | 11.8 | 1.7 | - | 7.5 | .7 |
| | Number | | 44 | 15 | 6 | - | 11 | 10 | 14 | 4 | 2 | - | 11 | 1 |
| Proprietors, Managers, and Officials | Percent | 3.5 | 46.9 | 38.6 | 51.9 | 62.5 | 44.5 | 22.6 | 51.3 | 44.1 | 50.0 | 45.1 | 37.0 | 18.7 |
| | Number | | 196 | 137 | 14 | 5 | 49 | 24 | 20 | 15 | 59 | 65 | 54 | 28 |
| Clerical and Kindred Workers | Percent | 32.9 | 21.2 | 27.9 | 11.1 | 25.0 | 24.5 | 10.9 | 10.3 | 35.3 | 25.4 | 22.2 | 34.9 | 38.0 |
| | Number | | 115 | 123 | 3 | 2 | 27 | 20 | 4 | 12 | 30 | 32 | 51 | 57 |
| Sales | Percent | 6.9 | 3.3 | 1.0 | 7.4 | - | 2.7 | .9 | - | - | 4.2 | 1.4 | 2.1 | 2.7 |
| | Number | | 13 | 7 | 2 | - | 3 | 1 | - | - | 5 | 2 | 3 | 4 |
| Craftsmen, Foremen, and Kindred Workers | Percent | 1.7 | 1.8 | 3.8 | 3.7 | - | .9 | 4.7 | - | 2.9 | 1.7 | 6.9 | 2.7 | 4.7 |
| | Number | | 8 | 23 | 1 | - | 1 | 5 | - | 1 | 2 | 10 | 4 | 7 |
| Operatives and Kindred Workers | Percent | 12.8 | 7.4 | 13.2 | 3.7 | - | 10.0 | 21.7 | 2.6 | 2.9 | 11.0 | 18.1 | 9.6 | 23.3 |
| | Number | | 40 | 85 | 1 | - | 11 | 23 | 1 | 1 | 13 | 26 | 14 | 35 |
| Service Workers | Percent | 15.2 | 1.4 | 3.4 | - | 12.5 | .9 | - | - | - | 2.5 | 1.4 | 3.4 | 3.3 |
| | Number | | 9 | 8 | - | 1 | 1 | - | - | - | 3 | 2 | 5 | 5 |
| Farm Laborers and Farm Foremen | Percent | .5 | 1.2 | 2.8 | - | - | 4.5 | 14.2 | - | - | - | - | 1.4 | - |
| | Number | | 7 | 15 | - | - | 5 | 15 | - | - | - | - | 2 | - |
| Laborers | Percent | .9 | .8 | 4.8 | - | - | 1.8 | 7.5 | - | 2.9 | 1.7 | 4.9 | .7 | 8.7 |
| | Number | | 5 | 29 | - | - | 2 | 8 | - | 1 | 2 | 7 | 1 | 13 |
| Never Worked | Percent | | - | - | - | - | - | - | - | - | - | - | - | - |
| | Number | | - | - | - | - | - | - | - | - | - | - | - | - |
| Respondent | Percent | | 50.1 | 57.3 | 32.1 | 33.3 | 43.8 | 56.4 | 50.0 | 65.4 | 56.2 | 47.5 | 68.2 | 83.8 |
| | Number | | 440 | 442 | 27 | 8 | 110 | 106 | 39 | 34 | 118 | 144 | 146 | 150 |
| Non-Respondent | Percent | | 49.9 | 42.7 | 67.9 | 66.7 | 56.2 | 43.6 | 50.0 | 34.6 | 43.8 | 52.5 | 31.8 | 16.2 |
| | Number | | 397 | 304 | 57 | 16 | 141 | 82 | 39 | 18 | 92 | 159 | 68 | 29 |
| Grand Total | Percent | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | | 837 | 746 | 84 | 24 | 251 | 188 | 78 | 52 | 210 | 303 | 214 | 179 |
| Mean | | | 12.7 | 13.6 | 12.3 | 12.9 | 13.1 | 14.5 | 11.8 | 12.6 | 13.0 | 13.6 | 13.1 | 14.3 |
| Median | | | 12.2 | 12.8 | 12.0 | 12.3 | 12.4 | 13.5 | 11.8 | 12.4 | 12.4 | 12.7 | 12.6 | 13.3 |
| Standard Deviation | | | 1.5 | 2.0 | 1.2 | 1.7 | 1.9 | 2.6 | .9 | 1.5 | 1.7 | 2.0 | 1.7 | 2.1 |

Occupational category was coded as follows:

19 = Professional, Semi-Professional
18 = Farmers, Farm Members
17 = Proprietors, Managers, and Officials
16 = Sales
15 = Craftsmen, Foremen, and Kindred Workers
14 = Operatives and Kindred Workers
13 = Service Workers
12 = Farm Laborers and Farm Foremen
11 = Laborers

Source for U.S. Population: Census of Population: 1970, General Social and Economic Characteristics, U.S. Bureau of the Census Final Report PC(1)-C1, United States Summary, U.S. Government Printing Office, Washington, D.C., 1972.

**COHORT II-EF STUDY**
**Non-Preschool Adjusted**

## Table C1-15

## DISTRIBUTION OF FATHER'S OCCUPATION BY FT/NFT FOR COHORT II ENTERING FIRST ANALYTIC SAMPLE

| | | U.S. Popu-lation | Analytic Sample | | Bank Street | | Direct Instruction | | Cognitive Curriculum | | Parent Education | | EDC | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| Professional, Semi-professional | Percent | 13.5 | 5.3 | 6.6 | 3.0 | 12.5 | 11.1 | 6.3 | 3.1 | 4.2 | 6.2 | 5.9 | 3.3 | 3.9 |
| | Number | | 25 | 20 | 6 | 1 | 8 | 6 | 1 | 1 | 6 | 6 | 4 | 6 |
| Farmers, Farm Workers | Percent | 2.7 | 10.8 | 5.5 | 5.0 | - | 8.3 | 6.3 | 75.0 | 20.8 | - | - | 5.8 | .6 |
| | Number | | 38 | 12 | 1 | - | 6 | 6 | 24 | 5 | - | - | 7 | 1 |
| Proprietors, Managers, and Officials | Percent | 10.6 | 9.5 | 6.7 | 15.0 | - | 9.7 | 4.2 | - | 4.2 | 10.3 | 18.6 | 12.4 | 6.5 |
| | Number | | 35 | 34 | 3 | - | 7 | 4 | - | 1 | 10 | 19 | 15 | 10 |
| Clerical and Kindred Workers | Percent | 7.2 | 31.3 | 39.3 | 15.0 | 75.0 | 44.4 | 20.0 | 18.8 | 54.2 | 36.1 | 30.4 | 42.1 | 16.9 |
| | Number | | 127 | 95 | 3 | 6 | 32 | 19 | 6 | 13 | 35 | 31 | 51 | 26 |
| Sales | Percent | 6.8 | 17.1 | 16.3 | 25.0 | 12.5 | 8.3 | 8.4 | - | 8.3 | 29.9 | 16.7 | 22.3 | 35.7 |
| | Number | | 67 | 83 | 5 | 1 | 6 | 8 | - | 2 | 29 | 17 | 27 | 55 |
| Craftsmen, Foremen, and Kindred Workers | Percent | 19.7 | 2.4 | 3.1 | - | - | 1.4 | 5.3 | 3.1 | - | 5.2 | 6.9 | 2.5 | 3.2 |
| | Number | | 10 | 17 | - | - | 1 | 5 | 1 | - | 5 | 7 | 3 | 5 |
| Operatives and Kindred Workers | Percent | 12.4 | 1.4 | 2.9 | - | - | 1.4 | 6.3 | - | - | 3.1 | 3.9 | 2.5 | 4.5 |
| | Number | | 7 | 17 | - | - | 1 | 6 | - | - | 3 | 4 | 3 | 7 |
| Service Workers | Percent | 7.8 | 2.4 | 8.4 | - | - | 1.4 | 12.6 | - | 4.2 | 4.1 | 12.7 | 6.6 | 12.3 |
| | Number | | 13 | 45 | - | - | 1 | 12 | - | 1 | 4 | 13 | 8 | 19 |
| Farm Laborers and Farm Foremen | Percent | 1.6 | 4.3 | 6.3 | 5.0 | - | 13.9 | 23.2 | - | - | 1.0 | 2.0 | 1.7 | 6.5 |
| | Number | | 14 | 34 | 1 | - | 10 | 22 | - | - | 1 | 2 | 2 | 10 |
| Laborers | Percent | 6.1 | 2.0 | 4.8 | 5.0 | - | - | 7.4 | - | 4.2 | 4.1 | 2.9 | .8 | 9.7 |
| | Number | | 6 | 26 | 1 | - | - | 7 | - | 1 | 4 | 3 | 1 | 15 |
| Never Worked | Percent | | - | - | - | - | - | - | - | - | - | - | - | - |
| | Number | | - | - | - | - | - | - | - | - | - | - | - | - |
| Respondent | Percent | | 39.2 | 50.0 | 23.8 | 33.3 | 28.7 | 50.5 | 41.0 | 46.2 | 46.2 | 33.7 | 56.5 | 86.0 |
| | Number | | 342 | 383 | 20 | 8 | 72 | 95 | 32 | 24 | 97 | 102 | 121 | 154 |
| Non-Respondent | Percent | | 60.8 | 50.1 | 76.2 | 66.7 | 71.3 | 49.5 | 59.0 | 53.8 | 53.8 | 66.3 | 43.5 | 14.0 |
| | Number | | 495 | 363 | 64 | 16 | 179 | 93 | 46 | 28 | 113 | 201 | 93 | 25 |
| Grand Total | Percent | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Number | | 837 | 746 | 84 | 24 | 251 | 188 | 78 | 52 | 210 | 303 | 214 | 179 |
| Mean | | | 12.9 | 13.9 | 12.7 | 12.8 | 13.3 | 15.1 | 11.5 | 12.9 | 13.7 | 13.8 | 13.4 | 14.8 |
| Median | | | 12.6 | 13.7 | 12.5 | 13.0 | 13.0 | 15.4 | 11.1 | 12.9 | 13.4 | 13.3 | 13.2 | 14.1 |
| Standard Deviation | | | 1.9 | 2.1 | 2.6 | 1.2 | 2.3 | 2.8 | 1.0 | 1.9 | 1.9 | 2.1 | 1.7 | 2.3 |

Occupational category was coded as follows:

19 = Professional, Semi-Professional
18 = Farmers, Farm Members
17 = Proprietors, Managers, and Officials
16 = Sales
15 = Craftsmen, Foremen, and Kindred Workers
14 = Operatives and Kindred Workers
13 = Service Workers
12 = Farm Laborers and Farm Foremen
11 = Laborers

Source for U.S. Population: Census of Population: 1970, General Social and Economic Characteristics, U.S. Bureau of the Census Final Report PC91-C1, United States Summary, U.S. Government Printing Office, Washington, D.C., 1972.

Table C1-16

VALUES OF SOCIOECONOMIC AND ETHNIC-LINGUISTIC DISCREPANCY INDICES FOR COHORT III-K(PS)

| Sponsor-Site | Socioeconomic | | Ethnic-Linguistic | |
|---|---|---|---|---|
| | FT | NFT | FT | NFT |
| RESPONSIVE EDUCATION | | | | |
| Buffalo, NY | -.30 | .14 | -.35 | -.35 |
| Duluth, MN | .02 | 1.06 | .86 | .85 |
| Fresno, CA | -1.17 | -1.06 | -.86 | -.38 |
| St. Louis, MO | -1.13 | -1.23 | -.35 | -.35 |
| Salt Lake City, UT | -.90 | 1.00 | .39 | .79 |
| Tacoma, WA | .09 | .61 | .29 | .66 |
| TEEM | | | | |
| Chicasha, OK | .17 | 1.68 | .48 | .91 |
| Des Moines, IA | -.13 | .54 | .03 | .40 |
| Lakewood, NJ | -.81 | .06 | -.80 | .08 |
| Newark, NJ | -.43 | -.40 | -.41 | -.43 |
| Lincoln, NB | .30 | 1.34 | .77 | .83 |
| Wichita, KA | .15 | 1.16 | .23 | .50 |
| BANK STREET | | | | |
| New York, NY | -.16 | -.27 | -.35 | -.64 |
| Philadelphia, PA | -.80 | -.47 | -.35 | -.41 |
| Brattleboro, VT | .37 | 1.62 | .93 | .93 |
| Fall River, MA | -.33 | -.88 | .28 | -.31 |
| New Haven, CT | 1.37 | -.62 | .17 | -.17 |
| DIRECT INSTRUCTION | | | | |
| New York, NY | -.47 | -.27 | -.54 | -.64 |
| Grand Rapids, MI | -.89 | -.46 | -.23 | -.35 |
| W. Iron Co., MI | -.14 | 1.34 | .93 | .93 |
| Flint, MI | -.98 | -.21 | -.35 | -.19 |
| Providence, RI | -1.42 | .51 | -.07 | .37 |
| BEHAVIOR ANALYSIS | | | | |
| New York, NY | -.53 | -.27 | -.98 | -.64 |
| Philadelphia, PA | -.73 | -.47 | -.35 | -.41 |
| Portageville, MO | .25 | -.36 | .61 | .57 |
| Trenton, NJ | -1.23 | -.13 | -.51 | -.44 |
| Kansas City, MO | -1.10 | -.61 | -.33 | -.35 |
| Louisville, KY | -.70 | -.51 | -.35 | -.32 |
| Waukegan, IL | -.60 | -.43 | -.30 | -1.55 |
| COGNITIVE CURRICULUM | | | | |
| New York, NY | -.15 | -.27 | -.35 | -.64 |
| Okaloosa Co., FL | -.89 | .35 | -.28 | .65 |
| Greeley, CO | -.71 | -.18 | -1.10 | -.36 |
| Seattle, WA | -.95 | .89 | -.12 | -.00 |
| Chicago, IL | -.60 | -.93 | -.35 | -.35 |

Table C1-16 (cont.)

| Sponsor-Site | Socioeconomic | | Ethnic-Linguistic | |
|---|---|---|---|---|
| | FT | NFT | FT | NFT |
| PARENT EDUCATION | | | | |
| Philadelphia, PA | -1.00 | -.47 | -.32 | -.41 |
| Richmond, VA | -.48 | -.07 | -.18 | .24 |
| Yakima, WA | -.47 | .64 | .20 | .93 |
| Houston, TX | -.80 | -1.18 | -.92 | -.83 |
| Lawrenceburg, IN | 1.01 | 1.56 | .93 | .93 |
| EDC | | | | |
| Philadelphia, PA | -.28 | -.47 | -.29 | -.41 |
| Burlington, VT | -.13 | 1.16 | .87 | .90 |
| Lackawanna Co., PA | 1.06 | 1.26 | .93 | .93 |
| Morgan Comm. Sch., DC | -.64 | -.62 | -.35 | -.35 |
| Paterson, NJ | -.91 | -.95 | -.35 | -.29 |
| IELP | | | | |
| Lock Haven, PA | -.24 | 1.23 | .93 | .93 |
| Montevideo, MN | 1.61 | 1.66 | .91 | .91 |
| Akron, OH | -.84 | -.28 | -.31 | -.10 |
| ILM | | | | |
| New York, NY | -.33 | -.27 | -.35 | -.64 |
| Atlanta, GA | -.93 | -1.25 | -.26 | -.31 |
| SEDL | | | | |
| Philadelphia, PA | -1.43 | -.47 | -1.49 | -.41 |
| Los Angeles, CA | -.89 | -1.25 | -1.80 | -1.42 |
| Tulare, CA | -.59 | -.44 | -1.03 | -.29 |
| St. Martin Parish, LA | -.44 | -.34 | .23 | .18 |
| San Diego, TX | -.96 | -.34 | -2.82 | -2.90 |
| CLA | | | | |
| Chicago, IL | -1.07 | -.93 | -.35 | -.35 |
| Topeka, KS | -.44 | -.28 | -.56 | .05 |
| HOME-SCHOOL PARTNERSHIP | | | | |
| New York, NY | -.43 | -.27 | -.35 | -.64 |
| CAL PROCESS | | | | |
| Los Angeles, CA | -.11 | -1.01 | -.35 | -.51 |
| Ravenswood, CA | -.56 | -.21 | -.43 | -.84 |
| Oakland, CA | -.49 | -- | -.35 | -- |
| San Jose, CA | -1.42 | .26 | -2.79 | -1.26 |
| NSA | | | | |
| Great Falls, MT | .51 | .81 | .60 | .78 |
| Clear Lake, WA | .26 | 1.60 | .16 | .93 |

Table C1- 17

VALUES OF SOCIOECONOMIC AND ETHNIC-LINGUISTIC DISCREPANCY INDICES FOR COHORT III-EF

| Sponsor-Site | Socioeconomic | | Ethnic-Linguistic | |
|---|---|---|---|---|
| | FT | NFT | FT | NFT |
| RESPONSIVE EDUCATION | | | | |
| Goldsboro, NC | -.27 | .10 | -.37 | -.05 |
| Sumter, SC | -.36 | .08 | -.47 | -.33 |
| Owensboro, KY | -.89 | .74 | .09 | .58 |
| TEEM | | | | |
| Vermilion Par., LA | -1.23 | -.23 | -.45 | -.68 |
| Durham Co., NC | .44 | 1.29 | -.05 | .25 |
| Ft. Worth, TX | -1.29 | -1.48 | -3.11 | -.80 |
| Walker Co., GA | -.53 | .43 | .20 | .38 |
| Pike Co., KY | -.74 | -.16 | .58 | .58 |
| DIRECT INSTRUCTION | | | | |
| Dayton, OH | -.03 | 1.06 | -.25 | .19 |
| Tupelo, MS | .23 | .96 | .42 | .58 |
| Williamsburg Co., SC | -.14 | -.55 | .57 | .58 |
| MATHEMAGENIC | | | | |
| Gulfport, MS | -.91 | -.59 | -.80 | -.80 |
| Pickens Co., GA | -1.45 | 1.49 | -.60 | .54 |
| Lee Co., VA | -1.08 | -.76 | -.79 | -.80 |

## Table C1-18

## VALUES OF SOCIOECONOMIC AND ETHNIC-LINGUISTIC DISCREPANCY INDICES FOR COHORT II-K

| Sponsor-Site | Socioeconomic | | Ethnic-Linguistic | |
|---|---|---|---|---|
| | FT | NFT | FT | NFT |
| RESPONSIVE EDUCATION | | | | |
| Berkeley, CA | .71 | 1.63 | .25 | .51 |
| Buffalo, NY | -.68 | .49 | -.24 | -.28 |
| Duluth, MN | .84 | 1.30 | 1.08 | 1.16 |
| Fresno, CA | -.06 | -.54 | -1.03 | -.98 |
| Lebanon, NH | 1.19 | 1.74 | 1.20 | 1.20 |
| Salt Lake City, UT | .15 | .67 | .08 | .96 |
| Tacoma, WA | -.56 | .22 | .30 | .86 |
| TEEM | | | | |
| Baltimore, MD | -1.62 | -1.90 | -.25 | -.28 |
| Lakewood, NJ | .27 | .52 | -.40 | .19 |
| Lincoln, NB | -.56 | .52 | .84 | 1.20 |
| Wichita, KS | -.72 | .06 | .58 | .05 |
| BANK STREET | | | | |
| New York, NY | .32 | -1.19 | -.33 | -1.01 |
| Philadelphia, PA | -1.05 | -1.34 | -.28 | -.67 |
| Brattleboro, VT | .86 | 1.56 | 1.20 | 1.20 |
| Fall River, MA | .59 | .93 | .25 | -.30 |
| Rochester, NY | .24 | -.41 | -.49 | -.28 |
| Wilmington, DE | -.96 | -.40 | -.26 | -.22 |
| DIRECT INSTRUCTION | | | | |
| New York, NY | .34 | -1.19 | -.39 | -1.01 |
| E. St. Louis, IL | -1.73 | -2.25 | -.28 | -.28 |
| Grand Rapids, MI | -1.99 | -.35 | -.22 | -.02 |
| Racine, WI | .01 | .08 | .09 | -.11 |
| Flint, MI | -.56 | .76 | -.18 | -.03 |
| BEHAVIOR ANALYSIS | | | | |
| New York, NY | .16 | -1.19 | -.94 | -1.01 |
| Philadelphia, PA | -.78 | -1.34 | -.28 | -.67 |
| Portageville, MO | .46 | .71 | .60 | .75 |
| Kansas City, MO | -.53 | -.47 | -.28 | -.28 |
| Louisville, KY | -1.06 | -.57 | -.28 | -.28 |
| Meridian, IL | -1.01 | -- | .31 | -- |
| COGNITIVE CURRICULUM | | | | |
| New York, NY | -.26 | -1.19 | -.28 | -1.01 |
| Chicago, IL | -.06 | -.71 | -.28 | -.28 |
| Okaloosa Co., FL | .29 | 1.63 | -.18 | 1.00 |

Table C-18 (cont.)

| Sponsor-Site | Socioeconomic | | Ethnic-Linguistic | |
|---|---|---|---|---|
| | FT | NFT | FT | NFT |
| PARENT EDUCATION | | | | |
| Philadelphia, PA | -.63 | -1.34 | -.24 | -.67 |
| Jacksonville, FL | .14 | .24 | -.28 | -.28 |
| Richmond, VA | -1.15 | -.99 | -.26 | -.13 |
| Houston, TX | -1.02 | -.76 | -1.32 | -1.05 |
| EDC | | | | |
| Philadelphia, PA | -.70 | -1.34 | -.26 | -.67 |
| Paterson, NJ | -.44 | .61 | -.28 | -.86 |
| Chicago, IL | .72 | -.71 | -.28 | -.28 |
| SELF-SPONSORED | | | | |
| Detroit, MI | -.32 | .35 | -.28 | -.28 |
| New York, NY | .76 | -1.19 | .11 | -1.01 |
| Philadelphia, PA | -1.14 | -1.34 | -.28 | -.67 |
| Portland, OR | .01 | .16 | -.15 | .18 |
| San Diego, CA | -1.52 | -.49 | -1.01 | -.92 |
| ILM | | | | |
| New York, NY | -.36 | -1.19 | -.28 | -1.01 |
| SEDL | | | | |
| Philadelphia, PA | -1.35 | -1.34 | -1.51 | -.67 |
| Tulare, CA | -1.06 | -.09 | -.96 | .45 |
| St. Martin Parish, LA | -.49 | 1.06 | .34 | .55 |
| HOME-SCHOOL PARTNERSHIP | | | | |
| New York, NY | -.14 | -1.19 | -.28 | -1.01 |
| CAL PROCESS | | | | |
| Los Angeles, CA | -1.04 | -.83 | -.28 | -.33 |
| Ravenswood, CA | -.28 | .58 | -.28 | -.11 |
| Lamont, CA | .25 | .78 | -3.09 | -.37 |
| San Jose, CA | -.35 | .76 | -2.58 | .04 |

## Table C1-19

## VALUES OF SOCIOECONOMIC AND ETHNIC-LINGUISTIC DISCREPANCY INDICES FOR COHORT II-EF

| Sponsor-Site | Socioeconomic | | Ethnic-Linguistic | |
|---|---|---|---|---|
| | FT | NFT | FT | NFT |
| BANK STREET | | | | |
| Macon Co., AL | -.89 | -.99 | -.34 | -.36 |
| DIRECT INSTRUCTION | | | | |
| E. St. Louis, IL | -.80 | -.19 | -.36 | -.36 |
| Tupelo, MS | -1.31 | 1.58 | -.29 | 1.01 |
| Williamsburg, SC | -.41 | -.35 | -.29 | -.36 |
| COGNITIVE CURRICULUM | | | | |
| Leflore Co., MS | -1.23 | -.60 | -.27 | -.36 |
| PARENT EDUCATION | | | | |
| Jonesboro, AR | .19 | 1.05 | .62 | .96 |
| Chattanooga, TN | -.57 | -.68 | .15 | -.12 |
| Hillsborough, FL | -.04 | -.16 | .36 | -2.55 |
| EDC | | | | |
| Laurel, DE | .57 | 1.21 | .61 | .75 |
| Johnston Co., NC | -.61 | .57 | .32 | .81 |

Table C1-20

## RANGE OF BACKGROUND VARIABLES FOR EACH QUARTER IN SOCIOECONOMIC DISCREPANCY INDEX FOR COHORT III-K

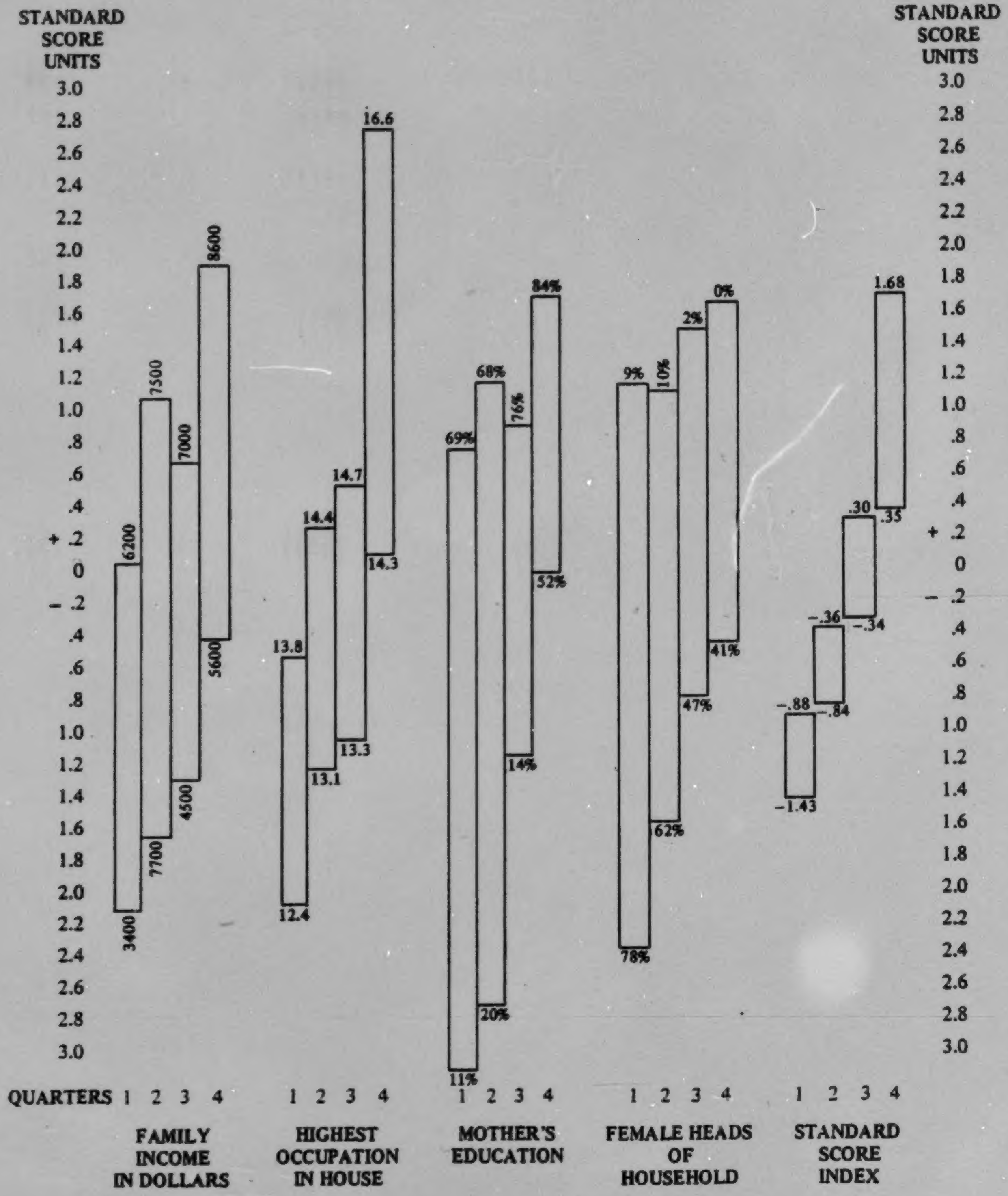


Table C1-21

# RANGE OF BACKGROUND VARIABLES FOR EACH QUARTER IN ETHNIC-LINGUISTIC INDEX FOR COHORT III-K

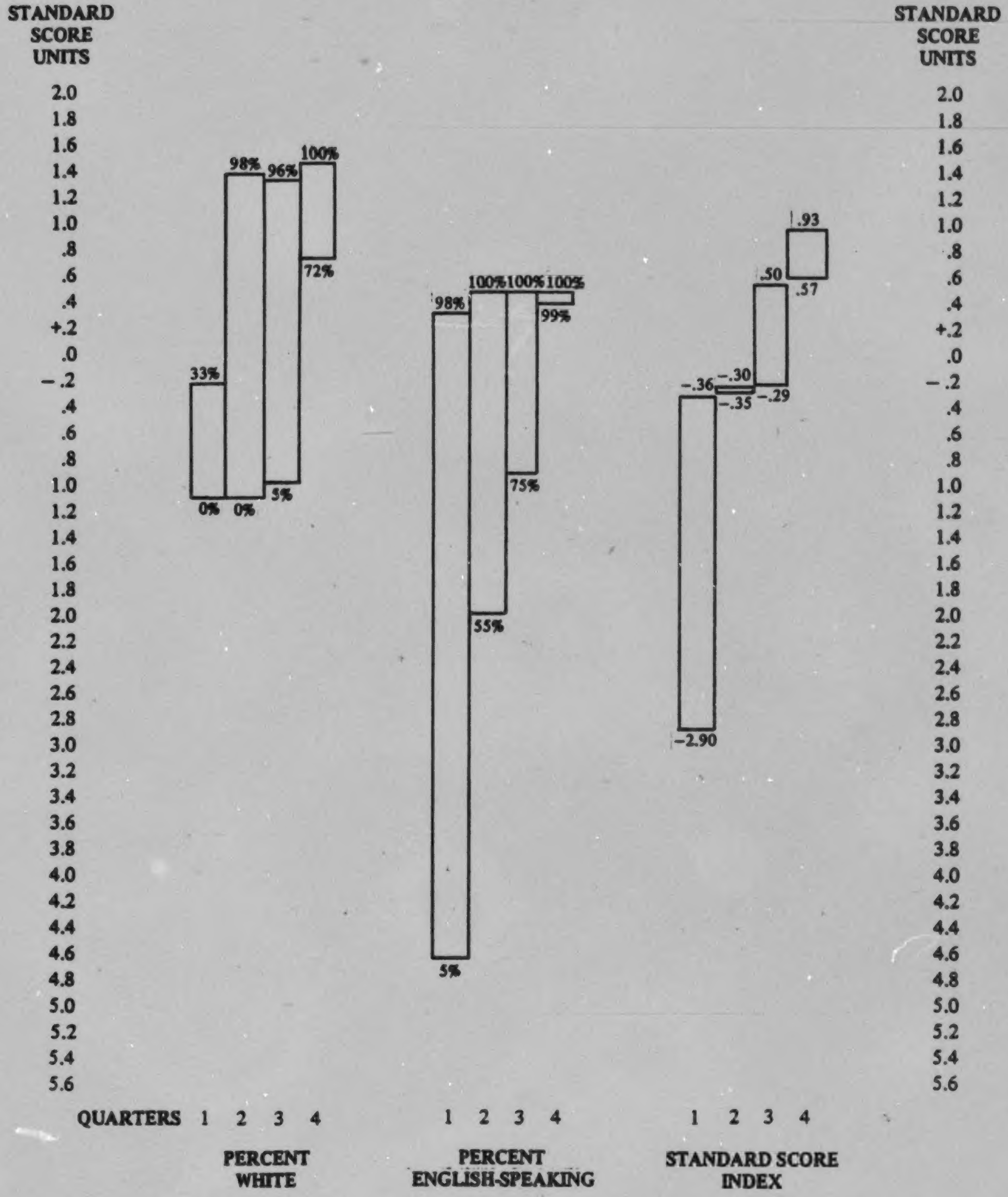


Table C1-22

## RANGE OF BACKGROUND VARIABLES FOR EACH QUARTER IN SOCIOECONOMIC DISCREPANCY INDEX FOR COHORT III-EF

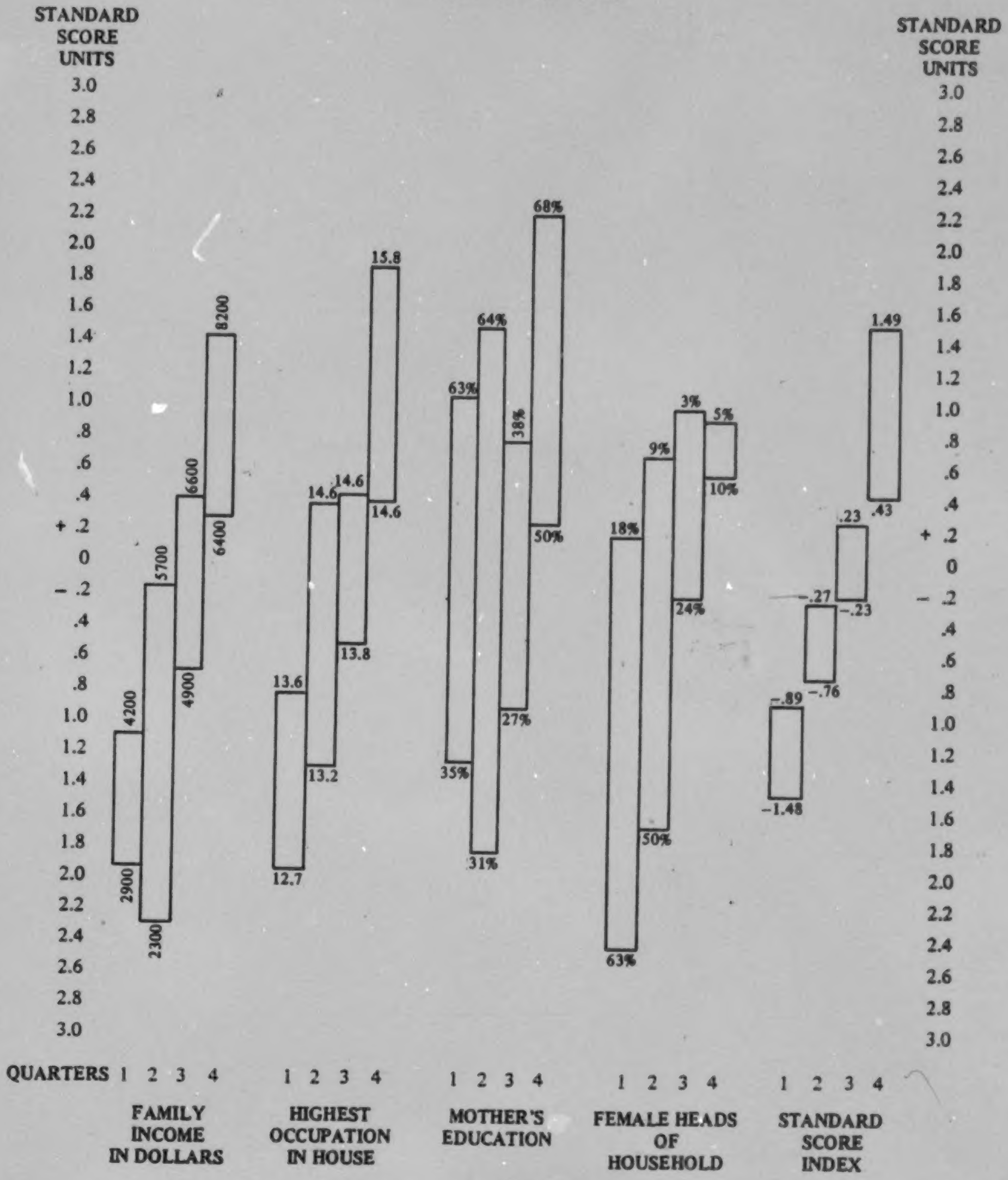
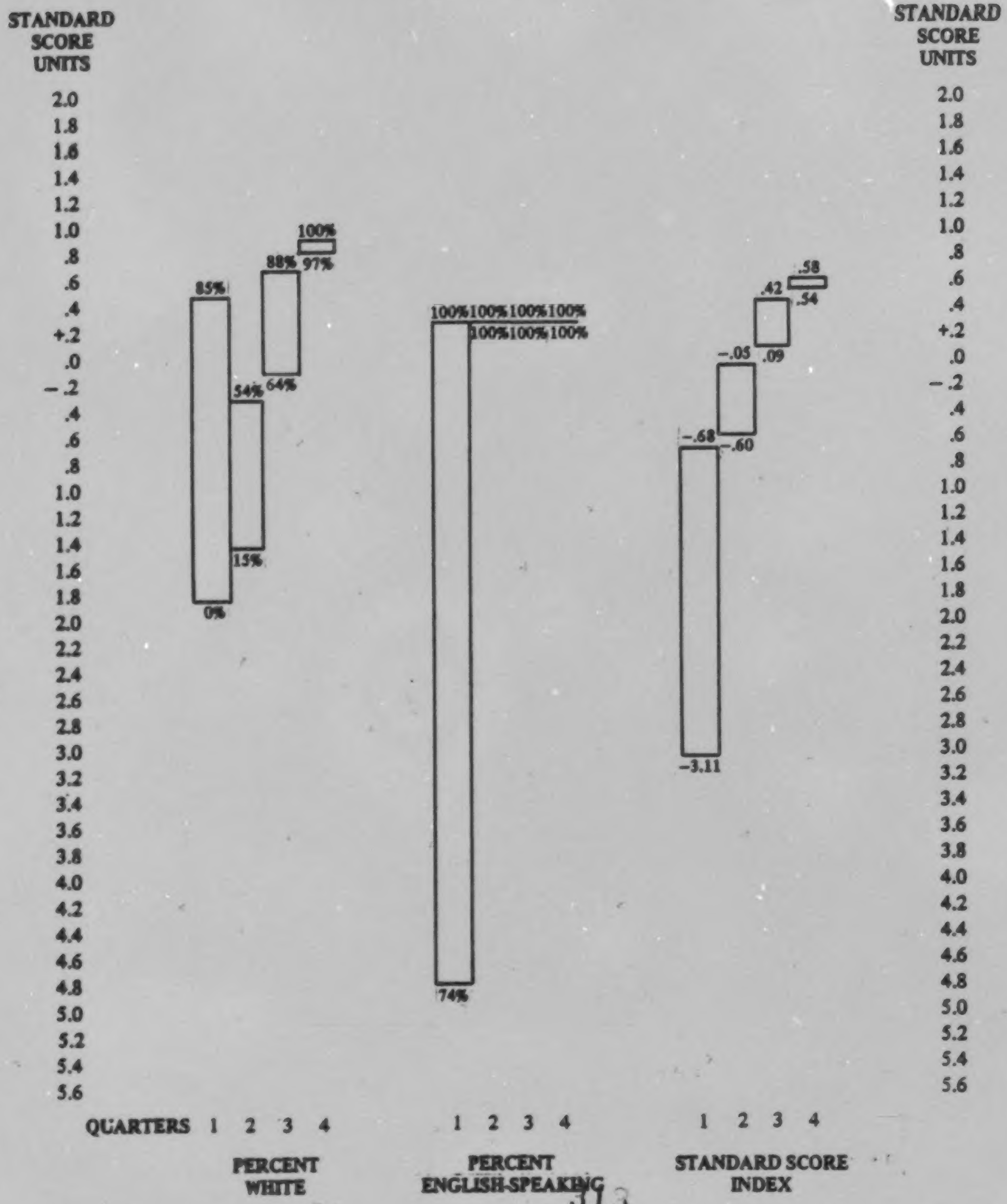


Table C1-23

## RANGE OF BACKGROUND VARIABLES FOR EACH QUARTER IN ETHNIC-LINGUISTIC INDEX FOR COHORT III-EF



313

Table C1-24

## RANGE OF BACKGROUND VARIABLES FOR EACH QUARTER IN SOCIOECONOMIC DISCREPANCY INDEX FOR COHORT II-K

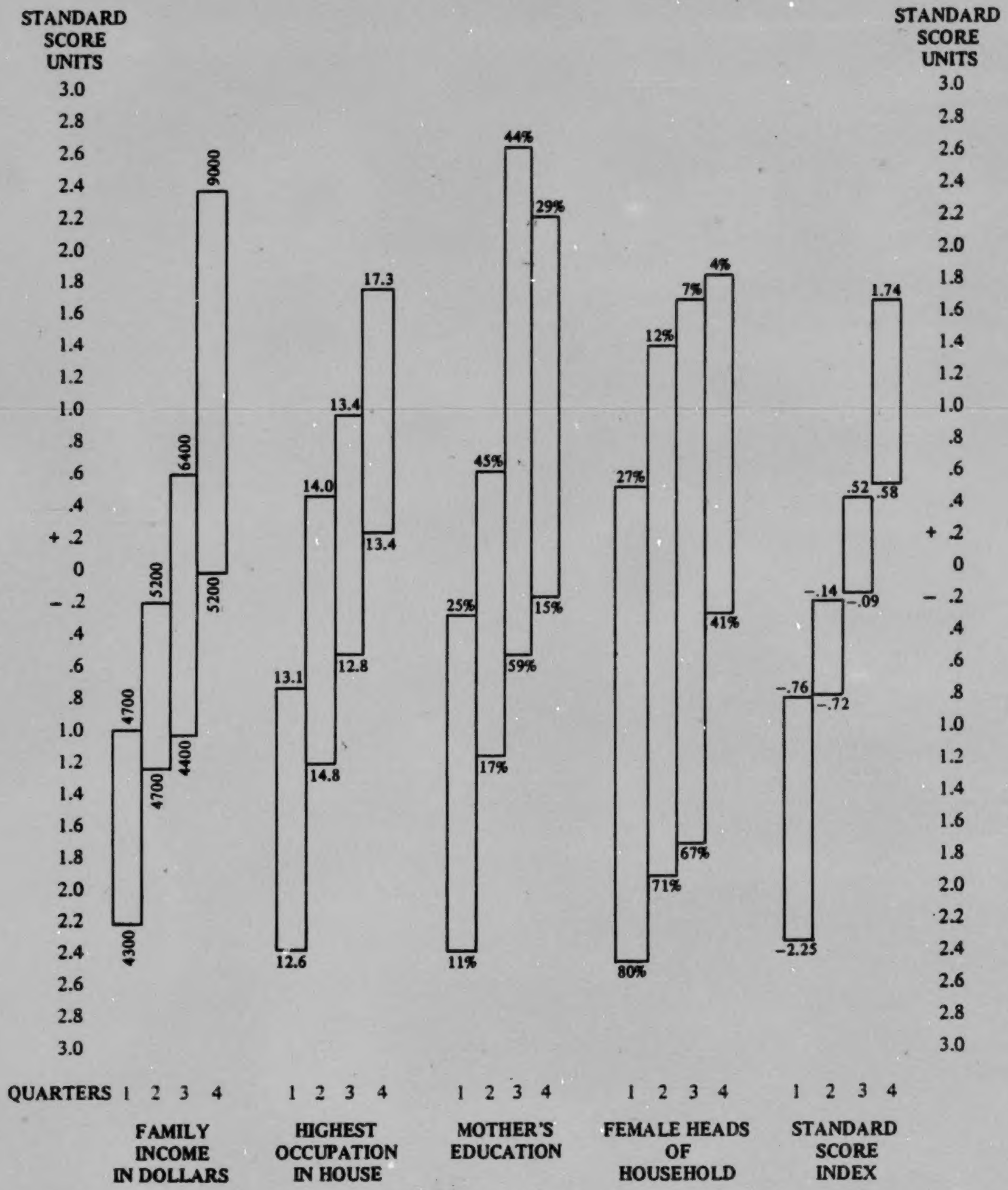


Table C1-25

## RANGE OF BACKGROUND VARIABLES FOR EACH QUARTER IN ETHNIC-LINGUISTIC INDEX FOR COHORT II-K

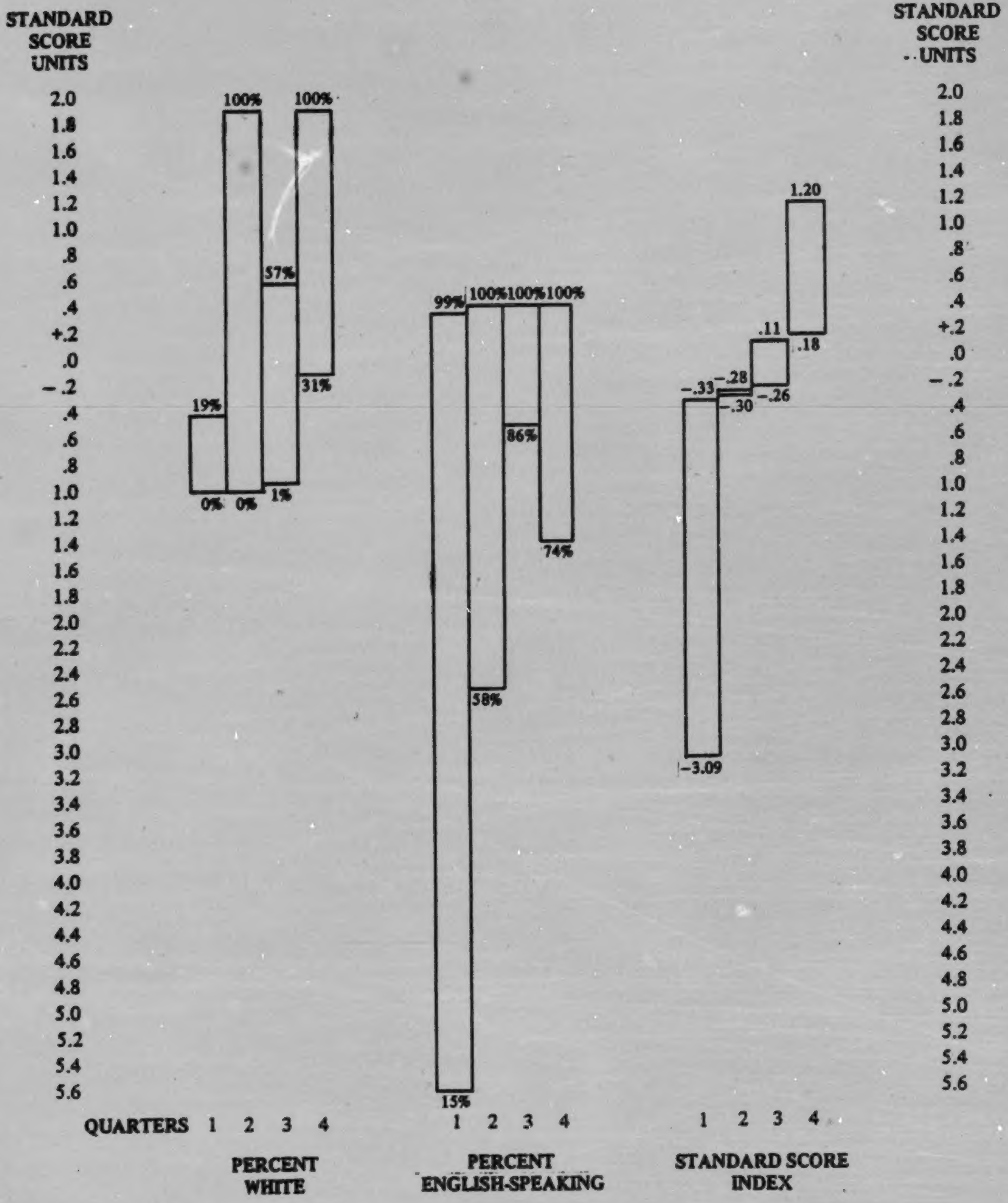


Table C1-26

## RANGE OF BACKGROUND VARIABLES FOR EACH QUARTER IN SOCIOECONOMIC DISCREPANCY INDEX FOR COHORT II-EF

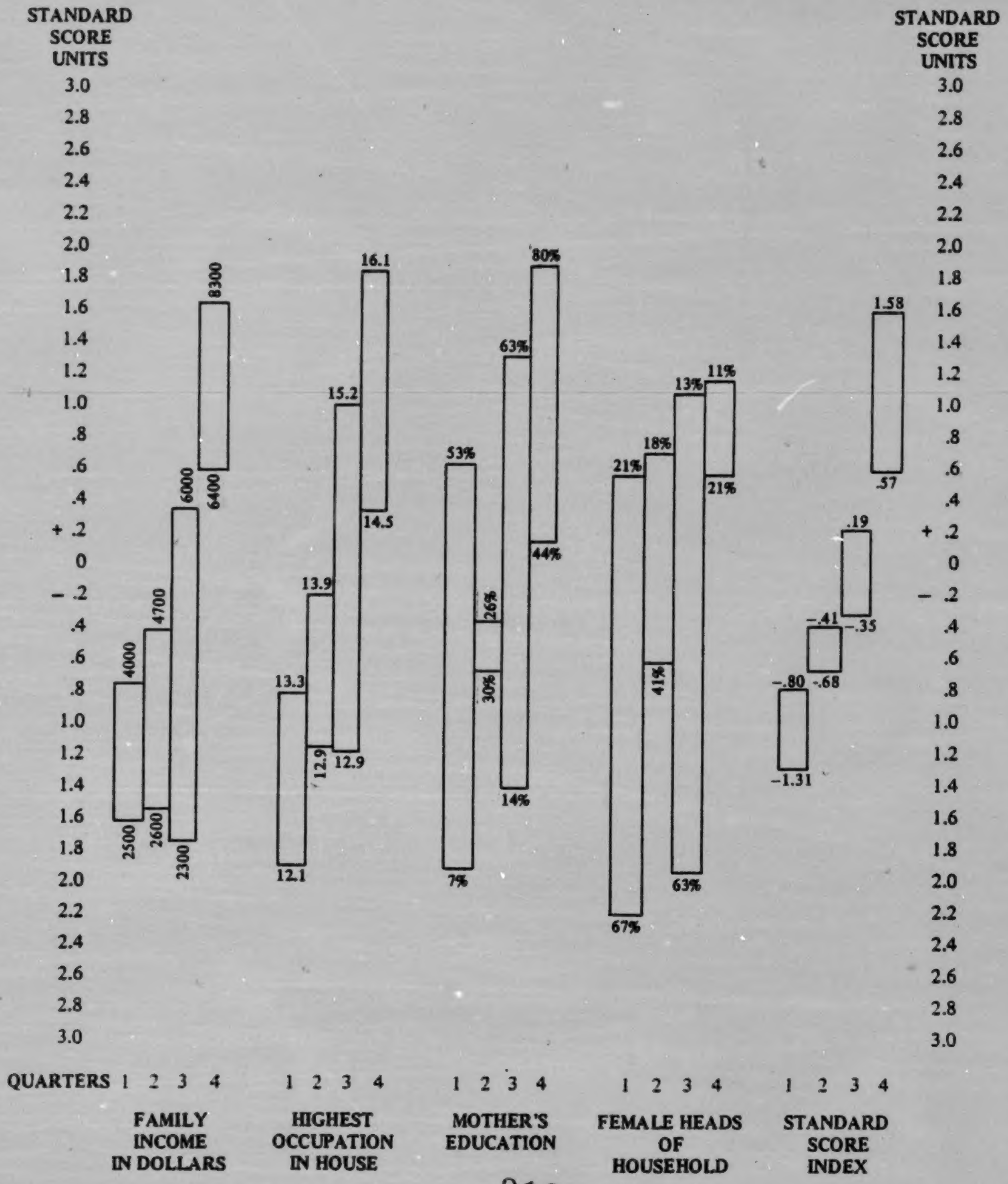
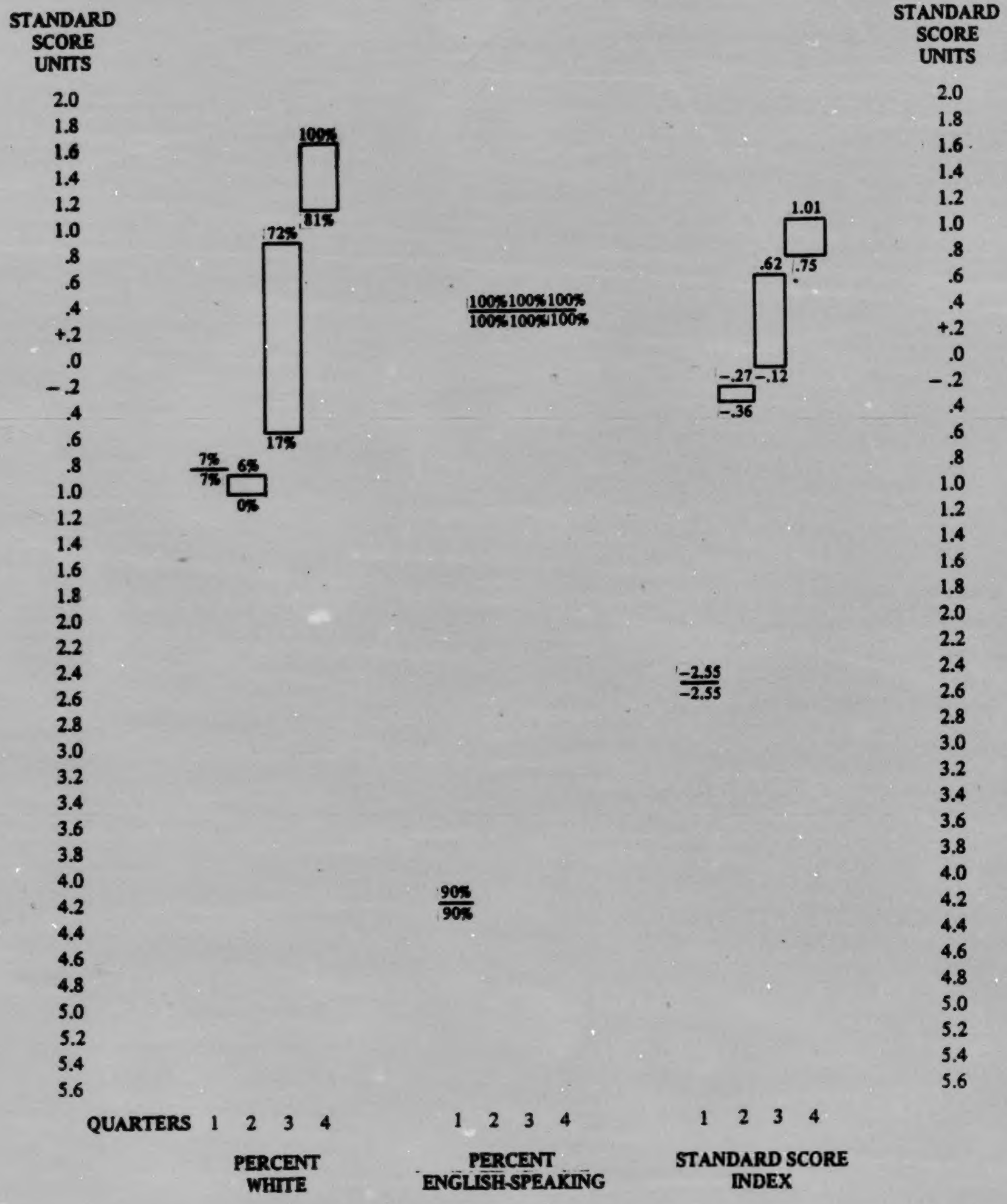


Table C1-27

## RANGE OF BACKGROUND VARIABLES FOR EACH QUARTER IN ETHNIC-LINGUISTIC INDEX FOR COHORT II-EF



## TREATMENT REGRESSION COEFFICIENTS AND STANDARD ERRORS BY OUTCOME FOR THE PRESCHOOL BLOCKED LOCAL ANALYSIS OF COHORT III-K

| | | Word Knowledge | Spelling | Language | Math Computations | Raven's | Reading | Math Concepts | Math Problem Solving | Coopersmith | IARS(-) | IARS(+) | Total Reading | Total Math | Language Part A | Language Part B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RESPONSIVE EDUCATION | | | | | | | | | | | | | | | | |
| Head Start | b | .16 | 1.34 | .24 | -.41 | -1.42 | 1.01 | .55 | .97 | 1.49 | -.39 | 1.66 | .34 | .41 | .41 | -.42 |
| | Std. Error | 1.71 | 1.19 | .60 | .91 | 1.99 | 1.19 | 1.23 | 1.13 | 2.72 | 1.23 | 3.17 | 1.39 | .74 | .42 | .46 |
| Some Preschool | b | .12 | -1.09 | -.23 | -.78 | -1.29 | -.50 | .99 | 1.05 | -1.07 | -1.01 | 1.53 | -.39 | .67 | -.48 | .33 |
| | Std. Error | 1.51 | 1.10 | .51 | .96 | 1.89 | 1.13 | 1.63 | .93 | 2.40 | 1.16 | 2.62 | 1.24 | .70 | .39 | .48 |
| No Preschool | b | -2.10 | .66 | -.49 | -.73 | -5.35 | -.18 | -1.13 | -1.11 | -1.44 | -1.22 | -2.42 | 1.34 | 1.04 | .22 | -.60 |
| | Std. Error | 1.68 | 1.27 | .54 | 1.18 | 1.95 | 1.16 | 1.25 | 1.16 | 2.73 | 1.48 | 3.13 | 1.51 | .70 | .39 | .52 |
| TEEM | | | | | | | | | | | | | | | | |
| Head Start | b | -8.13 | -3.33 | -.68 | -2.41 | -6.47 | -.59 | -1.37 | -1.11 | -11.45 | -2.69 | -3.06 | -1.24 | -1.04 | -.55 | -.74 |
| | Std. Error | 1.60 | 1.14 | .53 | .87 | 1.89 | 1.18 | .97 | .95 | 2.52 | 1.16 | 2.63 | 1.20 | .74 | .44 | .50 |
| Some Preschool | b | -5.66 | -3.42 | -.65 | -1.83 | -6.05 | -2.20 | -2.65 | -1.10 | -9.08 | -2.48 | -5.95 | -4.62 | -.25 | -.27 | -.23 |
| | Std. Error | 1.84 | 1.47 | .61 | 1.38 | 2.00 | 1.37 | 1.25 | 1.19 | 3.04 | 1.63 | 3.34 | 1.56 | .82 | .52 | .54 |
| No Preschool | b | -4.00 | -2.94 | -.25 | -.23 | -3.21 | -.59 | -1.09 | -.91 | -6.93 | -.47 | -2.40 | -.86 | -.47 | -.27 | -.13 |
| | Std. Error | 1.11 | .93 | .36 | .87 | 1.22 | .83 | .77 | .80 | 1.92 | 1.07 | 2.18 | .96 | .47 | .27 | .36 |
| BANK STREET | | | | | | | | | | | | | | | | |
| Head Start | b | -1.97 | 1.38 | 1.00 | .45 | -2.78 | -.64 | -.77 | 1.53 | -.59 | .55 | .12 | -1.78 | .24 | -.27 | -.33 |
| | Std. Error | 2.23 | 1.62 | .74 | 1.43 | 2.64 | 1.66 | 1.47 | 1.30 | 3.62 | 1.73 | 3.98 | 1.70 | 1.09 | .65 | .77 |
| Some Preschool | b | -2.47 | -1.27 | -.21 | -1.39 | -5.23 | -1.52 | -2.36 | -2.39 | -3.74 | -1.60 | -6.26 | -2.41 | -2.08 | -.40 | -.52 |
| | Std. Error | 1.08 | .77 | .40 | .71 | 1.34 | .82 | .75 | .67 | 1.70 | .95 | 1.94 | .96 | .52 | .30 | .36 |
| No Preschool | b | -3.97 | -1.38 | -.99 | -.73 | -6.82 | -2.22 | -2.11 | -1.44 | -5.35 | -.82 | -5.78 | -1.92 | -1.48 | -.34 | -.91 |
| | Std. Error | 1.05 | .72 | .37 | .63 | 1.33 | .76 | .78 | .67 | 1.65 | .84 | 1.98 | .86 | .48 | .27 | .32 |
| DIRECT INSTRUCTION | | | | | | | | | | | | | | | | |
| Head Start | b | -.41 | -.27 | 1.36 | 5.93 | 1.70 | 7.96 | 3.09 | 2.68 | -.68 | 7.29 | 13.73 | -1.41 | .13 | .18 | 1.34 |
| | Std. Error | 1.69 | 1.26 | .62 | 1.19 | 2.19 | 1.33 | 1.37 | 1.30 | 2.69 | 1.52 | 3.54 | 1.41 | .87 | .49 | .60 |
| Some Preschool | b | -1.77 | .47 | .29 | 5.00 | -.46 | 4.51 | .17 | 1.31 | -1.29 | 5.28 | 5.84 | 2.95 | -1.21 | -.80 | .27 |
| | Std. Error | 1.48 | 1.17 | .50 | 1.11 | 1.76 | 1.20 | 1.12 | 1.02 | 2.47 | 1.34 | 2.95 | 1.29 | .73 | .42 | .42 |
| No Preschool | b | -.59 | 1.76 | -.75 | 1.62 | 1.19 | 2.39 | -.46 | 1.20 | 1.17 | .87 | 3.12 | -2.64 | -.68 | -1.08 | .38 |
| | Std. Error | 1.87 | 1.51 | .65 | 1.29 | 2.46 | 1.41 | 1.32 | 1.26 | 3.13 | 1.61 | 3.43 | 1.57 | .82 | .58 | .54 |
| BEHAVIOR ANALYSIS | | | | | | | | | | | | | | | | |
| Head Start | b | -1.52 | -1.32 | -.61 | -1.43 | -2.47 | 1.26 | -.59 | -.82 | -2.84 | -2.03 | -.14 | -.33 | -2.07 | -.56 | .35 |
| | Std. Error | 1.04 | .70 | .37 | .63 | 1.31 | .78 | .71 | .65 | 1.59 | .85 | 1.84 | .86 | .50 | .25 | .29 |
| Some Preschool | b | -1.34 | -1.01 | .28 | .98 | -.76 | 3.23 | 1.32 | .42 | -2.35 | .13 | 4.97 | -.83 | -1.33 | -.32 | .20 |
| | Std. Error | 1.14 | .79 | .43 | .71 | 1.50 | .86 | .80 | .70 | 1.76 | .93 | 2.00 | 1.04 | .59 | .35 | .38 |
| No Preschool | b | .62 | .66 | .48 | 1.46 | 1.42 | 3.04 | 1.33 | 1.05 | 1.28 | 1.94 | 5.42 | -1.12 | -1.16 | -.16 | .60 |
| | Std. Error | .86 | .60 | .29 | .50 | 1.12 | .61 | .62 | .52 | 1.35 | .65 | 1.54 | .70 | .42 | .23 | .26 |
| COGNITIVE CURRICULUM | | | | | | | | | | | | | | | | |
| Head Start | b | -2.42 | -1.39 | -.28 | -2.32 | -3.37 | -1.75 | -2.04 | -.66 | -3.81 | -2.64 | -4.45 | -2.04 | .59 | .15 | -.51 |
| | Std. Error | 1.38 | 1.00 | .49 | .67 | 1.76 | 1.08 | .99 | .84 | 2.19 | .93 | 2.59 | 1.06 | .69 | .41 | .45 |
| Some Preschool | b | -3.65 | -3.43 | -1.57 | -3.45 | -2.46 | -1.24 | -2.77 | -1.09 | -7.09 | -5.02 | -5.09 | -.61 | -2.66 | -.56 | -.87 |
| | Std. Error | 2.34 | 1.62 | .72 | 1.09 | 2.65 | 1.54 | 1.53 | 1.31 | 3.68 | 1.45 | 3.83 | 1.83 | .98 | .69 | .61 |
| No Preschool | b | -6.98 | -2.93 | -.40 | -2.22 | -6.84 | -2.32 | -3.07 | -2.56 | -9.81 | -2.62 | -7.95 | -1.39 | -.35 | -.20 | -.96 |
| | Std. Error | 2.29 | 1.73 | .76 | 1.41 | 2.95 | 1.71 | 1.59 | 1.40 | 3.78 | 1.79 | 4.08 | 1.81 | .93 | .59 | .66 |
| PARENT EDUCATION | | | | | | | | | | | | | | | | |
| Head Start | b | 5.32 | .86 | .16 | -2.65 | 3.99 | .31 | 2.38 | 1.87 | 6.18 | -2.49 | 4.55 | 2.24 | 4.37 | .36 | 1.35 |
| | Std. Error | 3.88 | 2.85 | 1.36 | 1.92 | 4.36 | 2.37 | 2.23 | 2.24 | 6.25 | 2.63 | 5.73 | 2.95 | 1.73 | 1.07 | 1.11 |
| Some Preschool | b | -.33 | .65 | -.21 | -.21 | -3.07 | -.57 | -1.80 | -.33 | .31 | -.42 | -2.70 | -.22 | -1.19 | .51 | 1.09 |
| | Std. Error | 1.45 | .96 | .52 | .86 | 1.73 | .88 | .93 | .81 | 2.20 | 1.15 | 2.20 | 1.32 | .70 | .42 | .48 |
| No Preschool | b | 1.59 | -.57 | .51 | -.65 | -.41 | .68 | -.40 | .12 | 1.02 | -.15 | -.21 | -.65 | -.44 | .26 | .53 |
| | Std. Error | 1.11 | .78 | .38 | .65 | 1.44 | .81 | .80 | .68 | 1.74 | .84 | 2.03 | .96 | .53 | .31 | .36 |
| EDC | | | | | | | | | | | | | | | | |
| Head Start | b | -1.26 | -1.01 | -.10 | -.11 | .47 | .65 | -.57 | .97 | -2.28 | -.21 | 1.05 | 1.67 | -.29 | .75 | .74 |
| | Std. Error | 2.66 | 1.69 | .92 | 1.59 | 2.95 | 1.88 | 1.95 | 1.65 | 4.08 | 2.12 | 4.86 | 2.39 | 1.25 | .77 | .95 |
| Some Preschool | b | .68 | .39 | .69 | -.11 | -1.36 | .88 | .61 | .69 | 1.07 | .58 | 2.18 | -.46 | .20 | .71 | .69 |
| | Std. Error | 1.23 | .80 | .46 | .80 | 1.56 | .86 | .90 | .81 | 1.82 | 1.06 | 2.25 | 1.09 | .59 | .37 | .43 |
| No Preschool | b | [illegible] | [illegible] | -.60 | -1.53 | -5.30 | -1.07 | -1.51 | [illegible] | [illegible] | [illegible] | -4.42 | .54 | .83 | .10 | [illegible] |
| | Std. Error | 1.32 | .91 | .45 | .79 | 1.66 | .89 | .95 | .77 | 2.06 | 1.03 | 2.33 | 1.03 | .61 | .32 | .39 |

## Table C1-28 (cont.)

| | | | Word Knowledge | Spelling | Language | Math Computations | Raven's | Reading | Math Concepts | Math Problem Solving | Coopersmith | IARS(-) | IARS(+) | Total Reading | Total Math | Language Part A | Language Part B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IELP | | | | | | | | | | | | | | | | | |
| | Head Start | b | -1.60 | -1.28 | -1.19 | -5.69 | -1.53 | .33 | -.90 | -.12 | -2.88 | -6.28 | .12 | -2.41 | 2.38 | -.79 | -.49 |
| | | Std. Error | 1.44 | 1.15 | .55 | 1.06 | 1.77 | 1.12 | 1.14 | 1.10 | 2.31 | 1.26 | 2.92 | 1.40 | .68 | .47 | .54 |
| | Some Preschool | b | 1.46 | .36 | -.68 | -6.46 | -.29 | -4.23 | -1.99 | -1.18 | 1.82 | -6.52 | -7.40 | .23 | -.16 | -.61 | .90 |
| | | Std. Error | 1.74 | 1.51 | .55 | 1.49 | 1.77 | 1.64 | 1.52 | 1.54 | 2.91 | 1.78 | 4.35 | 1.77 | .77 | .47 | .67 |
| | No Preschool | b | .76 | 1.20 | .66 | -4.84 | 1.24 | -2.20 | -.13 | .38 | 1.96 | -4.77 | -2.29 | .59 | .57 | .26 | .58 |
| | | Std. Error | 1.18 | 1.11 | .42 | .98 | 1.34 | 1.02 | .99 | 1.06 | 2.15 | 1.21 | 2.76 | 1.10 | .52 | .30 | .40 |
| ILM | | | | | | | | | | | | | | | | | |
| | Head Start | b | .75 | -.72 | -.18 | -1.17 | -.22 | 2.43 | 1.60 | 2.30 | .38 | -1.35 | 6.33 | -.14 | -.34 | -1.43 | -1.29 |
| | | Std. Error | 2.23 | 1.61 | .81 | 1.44 | 2.91 | 1.81 | 1.48 | 1.30 | 3.56 | 1.83 | 3.89 | 1.86 | 1.19 | .52 | .74 |
| | Some Preschool | b | 1.59 | -2.00 | .82 | 1.09 | -1.39 | 1.58 | .25 | -.93 | -.41 | 1.92 | .90 | -2.08 | -1.50 | -.63 | -.31 |
| | | Std. Error | 2.04 | 1.43 | .73 | 1.04 | 2.79 | 1.57 | 1.44 | 1.31 | 3.17 | 1.41 | 3.81 | 1.69 | 1.03 | .54 | .60 |
| | No Preschool | b | -.42 | -.60 | -.67 | -.57 | -2.15 | -2.37 | -1.65 | -1.55 | -1.02 | -1.25 | -5.57 | -3.61 | .47 | .63 | -.39 |
| | | Std. Error | 1.77 | 1.27 | .69 | .93 | 2.39 | 1.31 | 1.19 | 1.03 | 2.82 | 1.33 | 2.99 | 1.40 | .95 | .51 | .57 |
| SEDL | | | | | | | | | | | | | | | | | |
| | Head Start | b | .16 | .23 | .86 | -.72 | -8.41 | .25 | -.87 | .23 | .39 | .79 | -.39 | -.24 | .69 | -.20 | -.11 |
| | | Std. Error | 1.57 | 1.14 | .51 | .92 | 2.07 | 1.20 | 1.09 | .93 | 2.54 | 1.22 | 2.84 | 1.23 | .78 | .43 | .46 |
| | Some Preschool | b | .26 | .54 | .48 | .60 | -1.34 | 1.65 | .45 | 1.68 | .56 | 1.07 | 3.79 | 1.22 | -.26 | .24 | .80 |
| | | Std. Error | 1.54 | 1.08 | .51 | .84 | 1.83 | 1.01 | 1.04 | .93 | 2.41 | 1.13 | 2.61 | 1.42 | .68 | .40 | .47 |
| | No Preschool | b | -1.52 | -.12 | -.36 | .58 | -3.01 | 2.04 | 1.05 | .18 | -1.64 | .21 | 3.27 | .87 | .87 | -.21 | -.27 |
| | | Std. Error | 1.01 | .72 | .36 | .58 | 1.37 | .79 | .78 | .67 | 1.60 | .77 | 1.98 | .89 | .54 | .31 | .32 |
| CLA | | | | | | | | | | | | | | | | | |
| | Head Start | b | -.24 | -2.16 | -.50 | -2.17 | 2.26 | .80 | -1.76 | -1.27 | -2.39 | -2.17 | -2.22 | .40 | -.23 | -.40 | .27 |
| | | Std. Error | 1.70 | 1.24 | .55 | .89 | 2.22 | 1.28 | 1.14 | 1.02 | 2.69 | 1.18 | 2.92 | 1.39 | .81 | .49 | .54 |
| | Some Preschool | b | 3.69 | 1.69 | 1.97 | -.89 | 9.04 | 5.42 | 5.73 | 2.70 | 5.38 | 1.08 | 13.86 | -2.64 | 2.68 | -.35 | -1.22 |
| | | Std. Error | 3.97 | 1.97 | 1.05 | 1.46 | 5.14 | 2.32 | 2.42 | 1.92 | 5.39 | 1.95 | 5.51 | 3.47 | 1.46 | 1.26 | .89 |
| | No Preschool | b | 5.19 | .74 | 1.68 | -2.14 | 10.04 | 4.30 | 3.33 | 1.60 | 5.26 | -.46 | 9.23 | -.68 | 2.13 | .13 | .71 |
| | | Std. Error | 2.74 | 1.63 | 1.02 | 1.48 | 3.48 | 1.73 | 1.55 | 1.59 | 4.05 | 2.15 | 4.25 | 1.82 | 1.16 | .67 | .86 |
| HOME-SCHOOL PARTNERSHIP | | | | | | | | | | | | | | | | | |
| | Head Start | b | -.33 | 2.05 | .72 | -2.03 | -.22 | 1.96 | 1.74 | 4.76 | 1.72 | -1.31 | 8.46 | -4.23 | -2.83 | -.16 | .77 |
| | | Std. Error | 3.63 | 2.38 | 1.24 | 2.11 | 4.49 | 2.96 | 2.46 | 2.15 | 5.63 | 2.66 | 6.66 | 2.97 | 1.84 | .82 | 1.07 |
| | Some Preschool | b | -4.55 | -4.62 | .54 | -4.67 | -4.36 | 4.07 | .59 | 1.31 | -9.17 | -4.14 | 5.97 | 8.09 | -1.10 | .31 | 1.67 |
| | | Std. Error | 4.91 | 3.69 | 1.91 | 2.80 | 6.39 | 4.13 | 3.60 | 3.10 | 8.01 | 3.68 | 9.64 | 4.53 | 1.99 | 1.30 | 1.40 |
| | No Preschool | b | -4.08 | -4.38 | -1.85 | .60 | -4.60 | -.94 | -2.04 | -1.85 | -8.46 | -1.26 | -4.24 | -6.91 | -1.30 | -2.00 | -1.26 |
| | | Std. Error | 3.50 | 2.57 | 1.31 | 1.94 | 4.77 | 2.81 | 2.49 | 2.22 | 5.75 | 2.77 | 6.54 | 3.01 | 1.48 | .77 | 1.02 |
| CAL PROCESS | | | | | | | | | | | | | | | | | |
| | Head Start | b | -7.35 | -2.94 | -1.47 | -2.94 | -2.12 | .14 | -2.75 | -3.24 | -10.28 | -4.41 | -5.86 | .18 | -.75 | .32 | .55 |
| | | Std. Error | 3.37 | 2.19 | 1.17 | 1.54 | 4.28 | 1.87 | 2.20 | 1.86 | 5.08 | 2.03 | 5.18 | 3.11 | 1.61 | 1.15 | 1.15 |
| | Some Preschool | b | -1.11 | -.67 | .72 | .57 | 1.30 | 1.50 | .88 | .20 | -1.78 | 1.29 | 2.56 | 4.16 | -.37 | .24 | -.87 |
| | | Std. Error | 3.04 | 1.99 | 1.02 | 1.72 | 3.42 | 2.25 | 2.13 | 1.93 | 4.65 | 2.16 | 5.36 | 2.50 | 1.52 | .88 | .99 |
| | No Preschool | b | 4.39 | 5.35 | 1.71 | -1.01 | 5.53 | 3.63 | 1.82 | .50 | 9.74 | .70 | 5.95 | 4.90 | .69 | 1.70 | 1.23 |
| | | Std. Error | 3.06 | 2.22 | .95 | 1.57 | 4.22 | 2.26 | 2.15 | 1.91 | 4.94 | 1.98 | 5.37 | 2.47 | 1.67 | .91 | 1.07 |
| KSA | | | | | | | | | | | | | | | | | |
| | Head Start | b | 1.71 | -.74 | -2.01 | -3.08 | -.39 | -.91 | -3.94 | -1.23 | 1.64 | -5.07 | -6.08 | 1.83 | .41 | -.23 | 1.24 |
| | | Std. Error | 4.04 | 2.87 | .95 | 2.17 | 4.43 | 2.48 | 2.31 | 2.39 | 6.45 | 2.44 | 5.95 | 2.67 | 1.28 | .95 | 1.18 |
| | Some Preschool | b | -4.16 | -2.12 | 1.37 | -2.90 | -2.88 | -3.11 | -5.55 | -2.73 | -6.28 | -1.52 | -11.39 | -3.07 | -.15 | -1.65 | -1.82 |
| | | Std. Error | 3.27 | 2.92 | .76 | 3.60 | 2.85 | 2.43 | 2.90 | 3.05 | 5.70 | 4.08 | 7.65 | 3.51 | 1.59 | .67 | 1.30 |
| | No Preschool | b | -5.61 | -5.52 | -1.63 | -1.66 | -8.28 | -3.75 | -5.43 | -2.48 | -11.13 | -3.29 | -11.66 | -.48 | -.85 | .36 | -.70 |
| | | Std. Error | 1.88 | 1.72 | .60 | 1.69 | 1.83 | 1.29 | 1.43 | 1.53 | 3.34 | 2.00 | 3.79 | 1.89 | .93 | .47 | .66 |

## Table C1-29

## TREATMENT REGRESSION COEFFICIENTS AND STANDARD ERRORS BY OUTCOME FOR THE PRESCHOOL BLOCKED POOLED ANALYSIS OF COHORT III-K

| OUTCOME MEASURE<br>PONSOR/PRESCHOOL GROUP | | Word Knowledge | Spelling | Language | Math Computations | Raven's | Reading | Math Concepts | Math Problem Solving | Coopersmith | IARS(-) | IARS(+) | Total Reading | Total Math | Language Part A | Language Part B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ESPONSIVE EDUCATION | | | | | | | | | | | | | | | | |
| Head Start | b | -1.14 | -1.58 | -1.94 | 1.79 | -.00 | 1.04 | -1.16 | -.01 | -.59 | -.33 | -.32 | -2.70 | -1.20 | -.10 | -.57 |
| | Std. Error | .90 | 1.02 | .63 | .67 | .38 | .67 | .62 | .55 | .68 | .22 | .21 | 1.42 | 1.60 | .33 | .45 |
| Some Preschool | b | -.80 | -1.63 | -1.18 | -1.29 | .54 | -1.01 | .60 | .64 | -1.23 | -.14 | -.86 | -1.80 | -.05 | -.58 | -.60 |
| | Std. Error | 1.09 | 1.24 | .70 | .72 | .50 | .77 | .69 | .57 | .89 | .30 | .31 | 1.73 | 1.67 | .32 | .57 |
| No Preschool | b | -2.20 | -5.39 | -1.67 | -1.13 | 1.07 | .73 | -1.05 | -1.31 | -.97 | -.82 | .02 | -1.47 | -3.50 | -.28 | -1.39 |
| | Std. Error | 1.38 | 1.51 | 1.10 | 1.18 | .49 | 1.06 | 1.04 | .89 | 1.45 | .39 | .32 | 2.33 | 2.53 | .37 | .91 |
| EEM | | | | | | | | | | | | | | | | |
| Head Start | b | -5.67 | -4.03 | -3.50 | -1.13 | -.73 | -2.57 | -2.40 | -1.84 | -.74 | -.50 | -.40 | -9.51 | -5.73 | -.16 | -1.20 |
| | Std. Error | .74 | .83 | .46 | .52 | .31 | .48 | .40 | .39 | .54 | .20 | .18 | 1.05 | 1.06 | .22 | .35 |
| Some Preschool | b | -7.94 | -7.16 | -1.90 | -1.69 | -.41 | -2.99 | -2.65 | -.11 | -3.24 | -.56 | -.56 | -10.93 | -4.44 | -.79 | -1.11 |
| | Std. Error | 1.69 | 1.70 | .99 | 1.01 | .64 | 1.11 | .88 | 1.06 | 1.41 | .41 | .42 | 2.45 | 2.40 | .50 | .83 |
| No Preschool | b | -4.23 | -2.89 | -.31 | -1.08 | -.56 | -3.25 | -1.48 | -1.21 | -.00 | -.04 | -.02 | -7.48 | -3.77 | -.26 | -.05 |
| | Std. Error | .88 | .96 | .74 | .59 | .35 | .69 | .57 | .58 | .64 | .27 | .21 | 1.49 | 1.58 | .26 | .61 |
| ANK STREET | | | | | | | | | | | | | | | | |
| Head Start | b | -3.82 | -4.64 | -1.78 | -1.85 | -.11 | -.70 | -3.02 | -1.20 | -1.80 | -.74 | -.75 | -5.89 | -7.78 | -.14 | .92 |
| | Std. Error | 1.42 | 1.57 | 1.07 | .89 | .59 | .99 | .82 | .70 | .87 | .44 | .32 | 2.12 | 2.17 | .41 | .95 |
| Some Preschool | b | -2.53 | -4.09 | -1.56 | -1.85 | -2.17 | -1.62 | -2.23 | -2.17 | -1.81 | -.66 | -.38 | -4.15 | -6.25 | -.07 | -1.49 |
| | Std. Error | .72 | .90 | .65 | .61 | .37 | .55 | .49 | .47 | .68 | .24 | .20 | 1.16 | 1.30 | .27 | .51 |
| No Preschool | b | -3.60 | -6.56 | -.46 | -2.17 | -1.19 | -1.22 | -2.07 | -1.31 | -1.68 | -.78 | -.26 | -4.83 | -5.55 | -.05 | -.41 |
| | Std. Error | .87 | 1.02 | .80 | .69 | .39 | .60 | .63 | .59 | .70 | .29 | .26 | 1.35 | 1.69 | .33 | .63 |
| DIRECT INSTRUCTION | | | | | | | | | | | | | | | | |
| Head Start | b | 2.55 | 5.79 | 4.27 | 8.82 | -.04 | 2.96 | .70 | 1.66 | -1.48 | .75 | -.14 | -1.24 | 7.39 | 2.31 | 4.59 |
| | Std. Error | .59 | .78 | .65 | .64 | .28 | .45 | .53 | .48 | .49 | .19 | .16 | .90 | 1.42 | .22 | .52 |
| Some Preschool | b | -1.99 | 1.15 | .06 | .50 | -.93 | .61 | -2.45 | -.76 | -4.54 | .14 | -.22 | -1.35 | -2.71 | -.10 | .16 |
| | Std. Error | .87 | 1.00 | .97 | .84 | .45 | .66 | .73 | .63 | .68 | .24 | .27 | 1.44 | 2.03 | .27 | .86 |
| No Preschool | b | -1.37 | -.45 | -.19 | 1.56 | -.38 | .81 | -1.48 | .07 | -3.09 | .18 | -1.19 | -.56 | .15 | -.78 | .59 |
| | Std. Error | 1.27 | 1.98 | 1.47 | 1.16 | .84 | .96 | 1.21 | 1.13 | 1.41 | .37 | .53 | 2.08 | 3.15 | .52 | 1.20 |
| HAVIOR ANALYSIS | | | | | | | | | | | | | | | | |
| Head Start | b | 3.08 | 2.52 | -1.24 | 1.99 | -1.91 | .79 | .10 | -.70 | -1.62 | .92 | .25 | -1.85 | .84 | .48 | -.38 |
| | Std. Error | .59 | .71 | .41 | .40 | .24 | .39 | .37 | .33 | .43 | .15 | .13 | .78 | .95 | .20 | .31 |
| Some Preschool | b | -1.70 | -.30 | .25 | 3.73 | -1.09 | -1.97 | 1.35 | .43 | -1.22 | .03 | -.42 | -3.67 | 5.50 | .04 | .21 |
| | Std. Error | .82 | 1.00 | .70 | .62 | .42 | .60 | .51 | .49 | .72 | .26 | .23 | 1.30 | 1.35 | .29 | .59 |
| No Preschool | b | 1.22 | 2.18 | 2.44 | 3.04 | -1.12 | .83 | 1.50 | 1.20 | -.40 | .75 | -.04 | 2.05 | 5.74 | .77 | 1.67 |
| | Std. Error | .67 | .86 | .59 | .48 | .32 | .46 | .47 | .42 | .56 | .19 | .18 | 1.03 | 1.21 | .24 | .46 |
| OGNITIVE CURRICULUM | | | | | | | | | | | | | | | | |
| Head Start | b | -2.58 | -3.17 | -3.66 | -.93 | -.20 | -1.02 | -2.74 | -1.80 | -1.72 | -.66 | .01 | -6.65 | -6.56 | -.21 | -2.03 |
| | Std. Error | .91 | 1.19 | .58 | .70 | .40 | .64 | .64 | .52 | .69 | .27 | .26 | 1.38 | 1.60 | .29 | .40 |
| Some Preschool | b | -3.39 | -.88 | -3.42 | -.99 | -1.89 | -2.46 | -2.07 | -.49 | .00 | -.80 | -.46 | -5.85 | -3.55 | -1.11 | -2.31 |
| | Std. Error | 1.56 | 1.86 | .95 | .89 | .70 | 1.05 | .91 | .81 | 1.05 | .46 | .49 | 2.50 | 2.32 | .48 | .70 |
| No Preschool | b | -5.45 | -4.64 | -1.25 | .50 | .02 | -2.03 | -1.07 | -.71 | .03 | -.48 | -.05 | -7.48 | -1.28 | .06 | -1.32 |
| | Std. Error | 1.76 | 2.27 | 1.43 | 1.53 | .62 | 1.22 | 1.54 | 1.19 | 1.36 | .46 | .61 | 2.85 | 4.01 | .53 | 1.25 |
| RENT EDUCATION | | | | | | | | | | | | | | | | |
| Head Start | b | -.46 | -.04 | -2.94 | -1.71 | .04 | -.62 | -.56 | -.16 | -.19 | .63 | .65 | .70 | -.91 | -.32 | -3.49 |
| | Std. Error | 1.06 | 1.23 | .65 | .63 | .44 | .81 | .51 | .53 | .70 | .25 | .25 | 1.46 | 1.30 | .36 | .55 |
| Some Preschool | b | .65 | -1.57 | -.41 | 1.07 | -.11 | 1.07 | -1.02 | -.66 | 1.23 | 1.24 | 1.08 | 1.73 | -.61 | -.18 | -.23 |
| | Std. Error | 1.16 | 1.38 | .73 | .67 | .53 | .77 | .71 | .66 | 1.00 | .35 | .31 | 1.79 | 1.64 | .31 | .55 |
| No Preschool | b | 1.93 | .49 | -.36 | .49 | -.16 | -.61 | -.08 | -.11 | -.17 | .59 | .14 | 1.33 | .29 | .50 | -.85 |
| | Std. Error | .90 | 1.10 | .66 | .67 | .40 | .63 | .61 | .55 | .65 | .28 | .28 | 1.38 | 1.57 | .31 | .52 |
| DC | | | | | | | | | | | | | | | | |
| Head Start | b | .32 | 1.39 | -1.30 | .61 | .47 | 1.93 | -.34 | .85 | 1.44 | -.75 | -.20 | -4.52 | 1.23 | -.25 | -1.44 |
| | Std. Error | 1.65 | 1.54 | .86 | .81 | .53 | .91 | .65 | .80 | .98 | .41 | .30 | 1.68 | 2.22 | .47 | .66 |
| Some Preschool | b | -.28 | -1.17 | .28 | .81 | .07 | -.34 | .25 | -.36 | .29 | .41 | .50 | -.62 | .70 | .40 | -.21 |
| | Std. Error | .78 | 1.04 | .61 | .52 | .36 | .49 | .57 | .49 | .69 | .25 | .22 | 1.15 | 1.37 | .26 | .47 |
| No Preschool | b | -2.36 | -4.91 | -1.19 | -.93 | -.06 | -.41 | -1.41 | -1.58 | 1.14 | .69 | .05 | -3.19 | -3.91 | .01 | -1.20 |
| | Std. Error | 1.18 | 1.29 | .99 | .74 | .41 | .79 | .74 | .66 | .88 | .32 | .27 | 1.84 | 1.87 | .41 | .75 |

## Table C1-29 (cont.)

| OUTCOME MEASURE / SPONSOR/PRESCHOOL GROUP | | Word Knowledge | Spelling | Language | Math Computations | Raven's | Reading | Math Concepts | Math Problem Solving | Coopersmith | IARS(-) | IARS(+) | Total Reading | Total Math | Language Part A | Language Part B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **IELP** | | | | | | | | | | | | | | | | |
| **Head Start** | b | -2.05 | -2.68 | -5.83 | -1.07 | 1.02 | -2.34 | -2.06 | -.62 | -1.72 | -.41 | -.70 | -5.53 | -3.94 | -1.18 | -3.56 |
| | Std. Error | .68 | .87 | .50 | .61 | .37 | .55 | .63 | .54 | .71 | .27 | .25 | 1.20 | 1.58 | .28 | .45 |
| **Some Preschool** | b | 2.56 | 1.33 | -5.83 | -4.14 | -.03 | 1.49 | -1.43 | -.64 | .33 | 1.30 | -.50 | 4.05 | -6.21 | .30 | -6.13 |
| | Std. Error | .95 | 1.31 | 1.32 | 1.20 | .58 | 1.06 | 1.08 | 1.14 | 1.17 | .43 | .36 | 1.80 | 3.23 | .43 | 1.09 |
| **No Preschool** | b | .45 | .84 | -5.04 | -2.33 | -.09 | 1.16 | .24 | .18 | .23 | .52 | .27 | 1.61 | -1.91 | -.07 | -4.97 |
| | Std. Error | .79 | .92 | .84 | .79 | .40 | .74 | .68 | .77 | .95 | .27 | .22 | 1.43 | 2.03 | .29 | .70 |
| **ILM** | | | | | | | | | | | | | | | | |
| **Head Start** | b | -1.11 | -2.52 | -2.33 | 1.67 | .53 | -1.72 | -1.33 | -1.39 | -.60 | -1.14 | -1.23 | -6.39 | -2.81 | -.48 | -2.15 |
| | Std. Error | 1.77 | 2.16 | 1.61 | 1.43 | .78 | 1.37 | 1.07 | 1.05 | 1.51 | .50 | .36 | 2.80 | 3.00 | .61 | 1.30 |
| **Some Preschool** | b | .92 | -.46 | 2.31 | 2.28 | -1.17 | -1.52 | .87 | -.58 | -3.04 | -.75 | -.48 | -.60 | 2.57 | .93 | 1.38 |
| | Std. Error | 1.37 | 1.92 | 1.03 | 1.06 | .70 | .85 | .95 | .94 | .98 | .39 | .34 | 1.99 | 2.71 | .46 | .73 |
| **No Preschool** | b | .05 | .81 | .41 | -1.57 | .76 | -.35 | -1.19 | -1.53 | -3.50 | -.05 | .73 | -.29 | -4.29 | .09 | .32 |
| | Std. Error | .85 | 1.28 | .71 | .58 | .58 | .61 | .57 | .50 | .65 | .33 | .30 | 1.31 | 1.43 | .36 | .49 |
| **SEDL** | | | | | | | | | | | | | | | | |
| **Head Start** | b | -2.46 | -4.19 | .58 | 1.86 | .01 | -1.36 | .07 | -.02 | .04 | .32 | -.17 | -2.93 | 1.59 | .77 | .34 |
| | Std. Error | .74 | .91 | .48 | .55 | .32 | .48 | .45 | .36 | .45 | .17 | .18 | 1.01 | 1.15 | .20 | .40 |
| **Some Preschool** | b | 1.70 | .69 | 3.17 | -1.41 | -.23 | 2.88 | -.62 | 2.02 | -.27 | -.02 | .47 | 4.58 | -.01 | -.09 | 3.26 |
| | Std. Error | .89 | 1.05 | .56 | .61 | .34 | .63 | .55 | .51 | .58 | .23 | .21 | 1.40 | 1.43 | .24 | .46 |
| **No Preschool** | b | -.78 | -1.77 | 1.15 | 2.71 | .21 | .75 | 1.92 | .75 | .26 | -.37 | -.02 | -.03 | 5.38 | -.23 | 1.37 |
| | Std. Error | .61 | .85 | .52 | .53 | .36 | .48 | .48 | .45 | .58 | .20 | .21 | 1.01 | 1.28 | .21 | .40 |
| **CLA** | | | | | | | | | | | | | | | | |
| **Head Start** | b | -.80 | 1.68 | -3.29 | .36 | -.60 | -2.55 | -.68 | -.76 | -.73 | .21 | -.20 | -3.03 | .73 | .01 | -2.32 |
| | Std. Error | .87 | 1.09 | .58 | .60 | .42 | .69 | .56 | .49 | .77 | .27 | .24 | 1.30 | 1.33 | .28 | .51 |
| **Some Preschool** | b | 1.01 | 6.40 | .63 | 5.27 | 2.32 | .34 | 4.65 | 3.34 | -1.92 | -1.18 | -.26 | 1.36 | 13.26 | 1.56 | -.93 |
| | Std. Error | 2.75 | 3.70 | 1.89 | 1.57 | 1.10 | 1.59 | 1.27 | 1.59 | 1.88 | .68 | .86 | 3.93 | 3.62 | .91 | 1.33 |
| **No Preschool** | b | 3.21 | 8.05 | -.47 | 3.73 | 1.72 | -.67 | 3.69 | 1.64 | .19 | 1.10 | .24 | 2.54 | 9.06 | 1.17 | -1.64 |
| | Std. Error | 2.44 | 2.83 | 1.63 | 1.56 | 1.00 | 1.43 | 1.12 | 1.54 | 1.49 | .72 | .41 | 3.64 | 3.78 | .91 | 1.11 |
| **HOME-SCHOOL PARTNERSHIP** | | | | | | | | | | | | | | | | |
| **Head Start** | b | -.29 | .87 | -1.26 | 2.24 | -2.69 | 1.95 | -1.14 | 1.59 | -2.84 | .35 | -.15 | -2.12 | .92 | .46 | -2.32 |
| | Std. Error | 2.91 | 3.40 | 2.48 | 2.67 | 1.24 | 2.08 | 2.12 | 1.90 | 3.00 | .72 | .56 | 5.49 | 6.11 | .81 | 1.65 |
| **Some Preschool** | b | -4.26 | -1.73 | -5.62 | 4.58 | -.88 | -3.29 | -.83 | .26 | 1.38 | .15 | .22 | -7.55 | 4.00 | -.64 | -4.99 |
| | Std. Error | 2.44 | 3.81 | 2.05 | 2.67 | 1.01 | 1.92 | 2.16 | 1.48 | 2.59 | 1.04 | .69 | 3.81 | 6.01 | 1.28 | 1.48 |
| **No Preschool** | b | -5.70 | -5.17 | -2.23 | -.32 | -1.83 | -5.34 | -2.75 | -2.09 | -6.21 | -1.33 | -1.77 | -11.04 | -5.17 | -2.37 | .14 |
| | Std. Error | 2.97 | 4.61 | 3.05 | 2.53 | 1.50 | 1.90 | 2.51 | 1.73 | 4.01 | .94 | .82 | 4.42 | 6.30 | 1.32 | 1.91 |
| **CAL PROCESS** | | | | | | | | | | | | | | | | |
| **Head Start** | b | -4.77 | -3.44 | -2.77 | .20 | -.91 | -2.14 | -3.42 | -2.60 | .75 | -.09 | -.02 | -5.73 | -6.60 | -1.13 | -2.71 |
| | Std. Error | 1.37 | 1.58 | .76 | .73 | .60 | .89 | .75 | .70 | 1.09 | .39 | .42 | 1.96 | 1.83 | .44 | .59 |
| **Some Preschool** | b | -.41 | 2.83 | 1.82 | .37 | -.35 | -.19 | 1.29 | .14 | 1.35 | -.71 | -.14 | -.60 | 1.81 | -.19 | 2.01 |
| | Std. Error | .92 | 1.08 | .58 | .56 | .41 | .56 | .58 | .47 | .74 | .25 | .22 | 1.39 | 1.37 | .27 | .46 |
| **No Preschool** | b | -2.88 | .32 | -1.71 | -.08 | -.86 | .72 | -.33 | -1.72 | .55 | -.33 | .51 | -2.16 | -2.12 | .25 | -1.96 |
| | Std. Error | 2.06 | 2.17 | 1.13 | 1.08 | .95 | 1.34 | 1.25 | .92 | 1.41 | .55 | .45 | 3.25 | 2.93 | .57 | .78 |
| **HSA** | | | | | | | | | | | | | | | | |
| **Head Start** | b | -10.00 | -5.75 | -7.76 | -2.44 | -.73 | -9.33 | -5.46 | -3.25 | .06 | -1.81 | -1.82 | -12.44 | -10.83 | -1.86 | -9.11 |
| | Std. Error | 2.52 | 2.31 | .96 | 1.10 | .46 | 1.91 | .83 | .79 | 1.07 | .47 | .35 | 2.52 | 2.14 | .41 | 1.49 |
| **Some Preschool** | b | -5.94 | -2.31 | -4.53 | -4.82 | .98 | -3.41 | -6.34 | -4.09 | -4.96 | -2.36 | -2.04 | -9.35 | -15.24 | -.29 | -4.24 |
| | Std. Error | 2.35 | 2.10 | 2.38 | 1.24 | 1.29 | 1.90 | 1.72 | 2.02 | 1.83 | 1.04 | .53 | 4.04 | 4.64 | .57 | 2.05 |
| **No Preschool** | b | -4.13 | -7.00 | -4.17 | -3.40 | -.44 | -4.20 | -4.89 | -2.42 | -.59 | -.61 | .23 | -8.32 | -10.71 | -1.28 | -2.89 |
| | Std. Error | 1.77 | 1.65 | 1.48 | 1.16 | .84 | 1.38 | .97 | 1.33 | 1.71 | .60 | .35 | 2.92 | 3.13 | .51 | 1.23 |

## Table C2-IIIK-1

## ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT III KINDERGARTEN SITES IN THE RESPONSIVE EDUCATION MODEL

| | | BUFFALO,NY | | | DULUTH, MN | | | FRESNO,CA | | | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA,WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 0.0 | 0.0 | 7.0 | 5.1 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 6.4 | 2.0 |
| | Number | 0 | 0 | 0 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 |
| BLACK | Percent | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 70.5 | 49.1 | 100.0 | 100.0 | 100.0 | 100.0 | 27.3 | 0.0 | 58.6 | 48.2 | 2.1 | 42.9 |
| | Number | 54 | 35 | 15 | 0 | 0 | 0 | 31 | 28 | 15 | 39 | 49 | 93 | 6 | 0 | 17 | 26 | 1 | 21 |
| ORIENTAL | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 8.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 8.5 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 25.0 | 31.6 | 0.0 | 0.0 | 0.0 | 0.0 | 18.2 | 10.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 18 | 0 | 0 | 0 | 0 | 4 | 5 | 0 | 0 | 0 | 0 |
| PUERTO RICAN | Percent | 0.0 | 0.0 | 0.0 | 1.8 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.0 |
| | Number | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WHITE | Percent | 0.0 | 0.0 | 0.0 | 91.2 | 93.6 | 90.9 | 4.6 | 10.5 | 0.0 | 0.0 | 0.0 | 0.0 | 54.6 | 89.8 | 41.4 | 48.2 | 80.9 | 55.1 |
| | Number | 0 | 0 | 0 | 52 | 73 | 70 | 2 | 6 | 0 | 0 | 0 | 0 | 12 | 44 | 12 | 26 | 38 | 27 |
| OTHER | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BEST MATCHED SITE | | Morgan Comm Sch,DC | | | Great Falls, MT | | | Morgan Comm Sch,DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

## Table C2-IIIK-2

### DISTRIBUTION OF BACKGROUND VARIABLES
### COHORT III KINDERGARTEN CHILDREN
### FOR THE RESPONSIVE EDUCATION MODEL

| | SPONSOR'S SITES | | | BUFFALO,NY | | | DULUTH, MN | | | FRESNO,CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| CHILDREN IN ANALYTIC SAMPLE Number | — | — | — | 54 | 35 | 15 | 57 | 79 | 77 | 44 | 57 | 15 |
| FALL KINDERGARTEN WRAT Mean Score | 28.5 | 30.9 | — | 24.7 | 20.5 | 28.3 | 34.3 | 36.4 | 34.3 | 25.3 | 28.7 | 28.3 |
| PERCENT WITH PRESCHOOL | 79 | 42 | — | 85 | 69 | 87 | 54 | 23 | 36 | 84 | 56 | 87 |
| Number Responding | — | — | — | 53 | 29 | 15 | 57 | 78 | 58 | 43 | 52 | 15 |
| CHILDREN'S ETHNICITY | | | | | | | | | | | | |
| Percent Black | 58 | 42 | — | 100 | 100 | 100 | 0 | 0 | 0 | 70 | 49 | 100 |
| Percent White | 33 | 46 | — | 0 | 0 | 0 | 91 | 94 | 91 | 5 | 11 | 0 |
| Percent Other | 9 | 12 | — | 0 | 0 | 0 | 9 | | 9 | 25 | 40 | 0 |
| MEDIAN FAMILY INCOME | 4276 | 5958 | — | 4766 | 5617 | 4750 | 5700 | 8638 | 8100 | 3250 | 3150 | 4750 |
| Number Responding | — | — | — | 31 | 24 | 15 | 50 | 77 | 54 | 30 | 39 | 15 |
| MOTHER'S EDUCATION Percent H.S. Graduates | 49 | 58 | — | 58 | 52 | 43 | 67 | 76 | 71 | 39 | 41 | 43 |
| Number Responding | — | — | — | 31 | 23 | 14 | 52 | 76 | 55 | 28 | 37 | 14 |
| FEMALE HEADS OF HOUSEHOLD Percent | 40 | 29 | — | 44 | 28 | 47 | 29 | 10 | 24 | 35 | 41 | 47 |
| BEST MATCHED SITE | | | | Morgan Comm Sch,DC | | | Great Falls, MT | | | Morgan Comm Sch,DC | | |

| | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA,WA | | |
|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| CHILDREN IN ANALYTIC SAMPLE Number | 39 | 49 | 93 | 22 | 49 | 29 | 54 | 47 | 49 |
| FALL KINDERGARTEN WRAT Mean Score | 24.5 | 30.3 | 28.2 | 29.1 | 31.2 | 27.6 | 33.3 | 38.2 | 32.2 |
| PERCENT WITH PRESCHOOL | 90 | 61 | 48 | 86 | 28 | 13 | 72 | 18 | 61 |
| Number Responding | 30 | 36 | 90 | 22 | 47 | 24 | 54 | 45 | 36 |
| CHILDREN'S ETHNICITY | | | | | | | | | |
| Percent Black | 100 | 100 | 100 | 27 | 0 | 59 | 48 | 2 | 43 |
| Percent White | 0 | 0 | 0 | 55 | 90 | 41 | 48 | 81 | 55 |
| Percent Other | 0 | 0 | 0 | 18 | 10 | 0 | 4 | 17 | 2 |
| MEDIAN FAMILY INCOME | 3200 | 2500 | 4500 | 4150 | 8140 | 6200 | 4588 | 7700 | 5033 |
| Number Responding | 22 | 31 | 84 | 15 | 44 | 21 | 25 | 38 | 30 |
| MOTHER'S EDUCATION Percent H.S. Graduates | 33 | 47 | 29 | 38 | 67 | 36 | 57 | 63 | 66 |
| Number Responding | 21 | 30 | 80 | 16 | 43 | 22 | 23 | 40 | 29 |
| FEMALE HEADS OF HOUSEHOLD Percent | 64 | 71 | 65 | 44 | 11 | 29 | 23 | 15 | 41 |
| BEST MATCHED SITE | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

## Table C2-IIIK-3

### TEACHER BACKGROUND CHARACTERISTICS FOR COHORT III-K SITES IN RESPONSIVE EDUCATION MODEL

| | Buffalo, NY | | Duluth, MN | | Fresno, CA | | St. Louis, MO | | Salt Lake City, UT | | Tacoma, WA | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| **YEARS OF ELEMENTARY TEACHING EXPERIENCE** | | | | | | | | | | | | |
| Mean | 9.40 | 11.85 | 4.37 | 13.16 | 7.00 | 6.50 | 16.25 | 14.78 | 5.00 | 10.50 | 5.16 | 10.93 |
| Standard Deviation | 9.71 | 5.81 | 3.19 | 9.57 | 6.38 | 4.31 | 11.61 | 10.45 | 5.65 | 8.03 | 4.87 | 8.57 |
| N | 5 | 7 | 4 | 9 | 6 | 12 | 4 | 14 | 2 | 8 | 6 | 8 |
| **YEARS IN SCHOOL** | | | | | | | | | | | | |
| Mean | 7.00 | 9.00 | .87 | 6.94 | 3.83 | 4.91 | .75 | 10.46 | 5.50 | 8.37 | 4.50 | 7.93 |
| Standard Deviation | 10.41 | 6.21 | .25 | 5.24 | 3.06 | 2.46 | .28 | 8.90 | 6.36 | 6.98 | 4.84 | 5.14 |
| N | 5 | 7 | 4 | 9 | 6 | 12 | 4 | 14 | 2 | 8 | 6 | 8 |
| **YEARS IN MODEL** | | | | | | | | | | | | |
| Mean | 3.50 | 0 | .87 | .50 | 2.66 | 0 | 3.62 | 2.50 | 2.00 | 2.00 | 2.33 | .50 |
| Standard Deviation | 2.00 | 0 | .25 | 0 | 1.96 | 0 | 2.42 | 2.61 | 1.41 | 0 | 1.03 | 0 |
| N | 5 | 0 | 4 | 2 | 6 | 0 | 4 | 4 | 2 | 1 | 6 | 3 |
| **TEACHER'S EDUCATION** | | | | | | | | | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % with B.A. | 20.0 | 28.6 | 75.0 | 33.3 | 33.3 | 66.7 | 50.0 | 61.5 | 100 | 37.5 | 50 | 25.0 |
| % Some Graduate | 40.0 | 14.3 | 0 | 44.4 | 66.7 | 33.3 | 25.0 | 30.8 | 0 | 62.5 | 50 | 75.0 |
| % M.A. or More | 40.0 | 57.1 | 25.0 | 22.2 | 0 | 0 | 25.0 | 7.7 | 0 | 0 | 0 | 0 |
| N | 5 | 7 | 4 | 9 | 6 | 12 | 4 | 13 | 2 | 8 | 6 | 8 |
| **TEACHER'S CERTIFICATION** | | | | | | | | | | | | |
| % None | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Temporary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.5 | 50 | 12.5 |
| % Renewable/Permanent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 87.5 | 50 | 87.5 |
| N | 5 | 7 | 4 | 9 | 6 | 12 | 4 | 14 | 2 | 8 | 4 | 8 |
| **TEACHER'S ETHNICITY** | | | | | | | | | | | | |
| % White | 60.0 | 57.1 | 100 | 100 | 50.0 | 66.7 | 0 | 15.4 | 100 | 100 | 100 | 100 |
| % Black | 20.0 | 42.9 | 0 | 0 | 50.0 | 16.7 | 100 | 84.6 | 0 | 0 | 0 | 0 |
| % Spanish Surname | 0 | 0 | 0 | 0 | 0 | 8.3 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Other | 20.0 | 0 | 0 | 0 | 0 | 8.3 | 0 | 0 | 0 | 0 | 0 | 0 |
| N | 5 | 7 | 4 | 9 | 6 | 12 | 4 | 13 | 2 | 8 | 6 | 8 |
| **AGE IN YEARS** | | | | | | | | | | | | |
| Mean | 33.40 | 37.00 | 31.00 | 45.88 | 34.50 | 36.75 | 40.75 | 41.50 | 38.00 | 38.62 | 32.66 | 38.50 |
| Standard Deviation | 12.64 | 10.55 | 10.10 | 13.20 | 7.45 | 8.57 | 14.88 | 11.62 | 19.79 | 14.70 | 9.56 | 13.71 |
| N | 5 | 7 | 4 | 9 | 6 | 12 | 4 | 14 | 2 | 8 | 6 | 8 |

## Table C2-IIIK-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1975) FOR THE COHORT III KINDERGARTEN SITES IN THE RESPONSIVE EDUCATION MODEL

| | SPONSOR'S SITES | | | BUFFALO, NY | | | DULUTH, MN | | | FRESNO, CA | | | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA, WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 45.6 | 50.5 | — | 45.6 | 53.9 | 51.8 | 49.0 | 50.0 | 52.3 | 42.6 | 50.1 | 51.8 | 49.0 | 51.1 | 51.1 | 44.7 | 49.0 | 53.3 | 42.6 | 49.0 | 52.9 |
| Number | 6 | 6 | — | 5 | 7 | 3 | 4 | 9 | 9 | 6 | 12 | 3 | 4 | 14 | 15 | 2 | 8 | 7 | 6 | 8 | 19 |
| Local Mean Difference | -4.9 | — | — | -8.3 | — | — | — | — | — | -7.5 | — | — | — | — | — | -4.3 | — | — | -6.4 | — | — |
| Best Match Mean Difference | — | — | — | -6.3 | — | — | -3.3 | — | — | -9.2 | — | — | — | — | — | -8.5 | — | — | -10.3 | — | — |
| FLEXIBLE CLASSROOM | 54.5 | 46.2 | — | 61.8 | 45.7 | 54.0 | 45.0 | 43.3 | 46.2 | 51.5 | 51.5 | 54.0 | 58.0 | 42.8 | 47.4 | 55.2 | 46.9 | 53.1 | 55.8 | 47.3 | 51.9 |
| Number | 6 | 6 | — | 5 | 7 | 3 | 4 | 9 | 9 | 6 | 12 | 3 | 4 | 14 | 15 | 2 | 8 | 7 | 6 | 8 | 19 |
| Local Mean Difference | 8.3 | — | — | 16.2 | — | — | — | — | — | — | — | — | 15.2 | — | — | 8.3 | — | — | 8.5 | — | — |
| Best Match Mean Difference | — | — | — | 7.9 | — | — | — | — | — | — | — | — | 10.6 | — | — | — | — | — | 3.9 | — | — |
| INDIVIDUALIZATION | 53.2 | 46.2 | — | 58.6 | 43.8 | 50.0 | 44.9 | 50.5 | 47.4 | 56.1 | 53.4 | 50.0 | 47.3 | 44.1 | 45.4 | 55.4 | 42.6 | 47.8 | 56.9 | 42.6 | 51.8 |
| Number | 6 | 6 | — | 5 | 7 | 3 | 4 | 9 | 9 | 6 | 12 | 3 | 4 | 14 | 16 | 2 | 8 | 7 | 6 | 8 | 19 |
| Local Mean Difference | 7.0 | — | — | 14.8 | — | — | -5.5 | — | — | 2.7 | — | — | 3.2 | — | — | 12.8 | — | — | 14.3 | — | — |
| Best Match Mean Difference | — | — | — | 8.6 | — | — | — | — | — | 6.2 | — | — | — | — | — | 7.6 | — | — | 5.1 | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 46.6 | 50.5 | — | 48.6 | 51.1 | 44.7 | 50.0 | 52.2 | 50.3 | 46.9 | 46.9 | 44.7 | 44.1 | 50.9 | 50.4 | 42.5 | 48.8 | 46.3 | 47.5 | 53.0 | 50.6 |
| Number | 6 | 6 | — | 5 | 7 | 3 | 4 | 9 | 9 | 6 | 12 | 3 | 4 | 14 | 16 | 2 | 8 | 7 | 6 | 8 | 19 |
| Local Mean Difference | -3.9 | — | — | — | — | — | — | — | — | — | — | — | -6.7 | — | — | -6.3 | — | — | -5.5 | — | — |
| Best Match Mean Difference | — | — | — | 3.9 | — | — | — | — | — | — | — | — | -6.3 | — | — | -3.8 | — | — | -3.1 | — | — |
| SATISFACTION WITH SPONSOR | 52.2 | 42.1 | — | 56.0 | 39.2 | 50.3 | 48.8 | 43.1 | 44.7 | 57.5 | 43.1 | 50.3 | 56.4 | 45.6 | 49.9 | 43.5 | 46.4 | 42.4 | 50.9 | 34.9 | 39.4 |
| Number | 6 | 6 | — | 5 | 6 | 1 | 4 | 8 | 5 | 6 | 6 | 1 | 4 | 8 | 8 | 2 | 4 | 5 | 6 | 5 | 10 |
| Local Mean Difference | 10.1 | — | — | 16.7 | — | — | 5.8 | — | — | 14.4 | — | — | 10.8 | — | — | -2.9 | — | — | 15.9 | — | — |
| Best Match Mean Difference | — | — | — | 5.7 | — | — | 4.1 | — | — | 7.2 | — | — | 6.5 | — | — | — | — | — | 11.5 | — | — |
| BEST MATCHED SITE | | | | Morgan Comm Sch, DC | | | Great Falls, MT | | | Morgan Comm Sch, DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

## Table C2-IIIK-5

STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1975)
FOR THE COHORT III KINDERGARTEN SITES
IN THE [illegible] EVALUATION SAMPLE

| | SPONSOR'S SITES | | | BUFFALO, NY | | | DULUTH, MN | | | FRESNO, CA | | | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA, WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 50.6 | 50.8 | — | 52.0 | 52.5 | 53.7 | 52.7 | 52.5 | 54.2 | 49.0 | 47.7 | 53.7 | 48.3 | 48.4 | 43.6 | 52.6 | 50.8 | 47.7 | 49.1 | 53.0 | 51.1 |
| Number | 6 | 6 | — | 29 | 32 | 15 | 31 | 39 | 34 | 28 | 32 | 15 | 33 | 29 | 70 | 21 | 32 | 26 | 25 | 31 | 30 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | -3.9 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | -4.7 | — | — | — | — | — | 4.9 | — | — | — | — | — |
| SCHOOL HELPED CHILD | 51.1 | 48.2 | — | 49.4 | 48.2 | 47.9 | 54.6 | 50.7 | 47.6 | 49.2 | 47.6 | 47.9 | 50.2 | 48.0 | 46.5 | 51.1 | 47.5 | 45.2 | 52.0 | 47.1 | 48.0 |
| Number | 6 | 6 | — | 29 | 32 | 15 | 30 | 39 | 34 | 28 | 32 | 15 | 33 | 29 | 70 | 21 | 32 | 26 | 25 | 31 | 30 |
| Local Mean Difference | 2.9 | — | — | — | — | — | 3.9 | — | — | — | — | — | — | — | — | 3.5 | — | — | 4.9 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 7.0 | — | — | — | — | — | 3.7 | — | — | 5.8 | — | — | 4.0 | — | — |
| PAC INVOLVEMENT | 54.0 | 46.5 | — | 55.5 | 47.4 | 50.2 | 47.2 | 45.9 | 47.0 | 53.1 | 51.3 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Number | 6 | 6 | — | 29 | 30 | 14 | 28 | 36 | 31 | 26 | 28 | 14 | 29 | 25 | 63 | 17 | 28 | 24 | 25 | 30 | [illegible] |
| Local Mean Difference | 7.6 | — | — | 8.1 | — | — | — | — | — | — | — | — | 11.8 | — | — | 10.4 | — | — | 11.5 | — | — |
| Best Match Mean Difference | — | — | — | 5.3 | — | — | — | — | — | 2.9 | — | — | 11.1 | — | — | 11.7 | — | — | 9.5 | — | — |
| CHILD READS AT HOME | 51.3 | 50.2 | — | 52.1 | 51.2 | 54.9 | 50.2 | 49.8 | 52.1 | 49.8 | 52.2 | 54.9 | 52.4 | 52.9 | 50.5 | 53.2 | 48.1 | 52.1 | 50.0 | 47.0 | 46.2 |
| Number | 6 | 6 | — | 29 | 32 | 15 | 31 | 39 | 34 | 28 | 32 | 15 | 33 | 29 | 70 | 21 | 32 | 26 | 25 | 31 | 30 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 5.0 | — | — | 3.1 | — | — |
| Best Match Mean Difference | — | — | — | -2.8 | — | — | — | — | — | -5.1 | — | — | — | — | — | — | — | — | 3.8 | — | — |
| CHILD'S PROG IN SCHOOL | 51.6 | 49.6 | — | 51.3 | 47.7 | 47.3 | 52.0 | 52.2 | 50.6 | 49.4 | 49.0 | 47.3 | 51.5 | 45.9 | 48.8 | 52.5 | 51.5 | 47.6 | 52.8 | 51.4 | 55.1 |
| Number | 6 | 6 | — | 29 | 32 | 15 | 31 | 39 | 34 | 28 | 32 | 15 | 33 | 29 | 70 | 21 | 32 | 26 | 25 | 31 | 30 |
| Local Mean Difference | — | — | — | 3.5 | — | — | — | — | — | — | — | — | 5.6 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 3.9 | — | — | — | — | — | — | — | — | 2.7 | — | — | 5.0 | — | — | — | — | — |
| CHILD READ TO AT HOME | 49.2 | 50.5 | — | 47.5 | 51.6 | 59.6 | 49.3 | 47.3 | 52.2 | 54.2 | 54.5 | 59.6 | 46.0 | 52.2 | 51.6 | 47.9 | 49.6 | 48.9 | 50.3 | 47.9 | 46.1 |
| Number | 6 | 6 | — | 29 | 32 | 15 | 31 | 39 | 34 | 28 | 32 | 15 | 33 | 29 | 70 | 21 | 32 | 26 | 25 | 31 | 30 |
| Local Mean Difference | — | — | — | -4.1 | — | — | — | — | — | — | — | — | -6.2 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -12.1 | — | — | -2.9 | — | — | -5.4 | — | — | -5.6 | — | — | — | — | — | 4.2 | — | — |
| PARENT VISITS TO SCHOOL | 53.9 | 43.1 | — | 56.3 | 48.8 | 52.6 | 55.1 | 46.1 | 49.1 | 51.9 | 48.4 | 52.6 | 51.6 | 50.6 | 48.4 | 55.6 | 46.8 | 49.2 | 52.8 | 47.7 | 47.5 |
| Number | 6 | 6 | — | 29 | 32 | 15 | 31 | 39 | 34 | 28 | 32 | 15 | 33 | 29 | 70 | 21 | 32 | 26 | 25 | 31 | 30 |
| Local Mean Difference | 5.8 | — | — | 7.4 | — | — | 9.0 | — | — | 3.5 | — | — | — | — | — | 8.7 | — | — | 5.1 | — | — |
| Best Match Mean Difference | — | — | — | 3.7 | — | — | 6.0 | — | — | — | — | — | 3.2 | — | — | 6.3 | — | — | 5.2 | — | — |
| CHILD'S EMOT ADJUST | 50.9 | 43.5 | — | 51.8 | 47.6 | 54.3 | 47.5 | 46.0 | 43.7 | 53.9 | 52.2 | 54.3 | 51.1 | 51.7 | 48.0 | 51.2 | 45.8 | 46.9 | 49.9 | 47.8 | 49.9 |
| Number | 6 | 6 | — | 29 | 32 | 15 | 31 | 39 | 34 | 28 | 32 | 15 | 33 | 29 | 70 | 21 | 32 | 26 | 25 | 31 | 30 |
| Local Mean Difference | — | — | — | 4.2 | — | — | — | — | — | — | — | — | — | — | — | 5.4 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 3.8 | — | — | — | — | — | 3.1 | — | — | 4.2 | — | — | — | — | — |
| SCH HELPED WITH CHILD | 53.0 | 46.8 | — | 55.4 | 50.3 | 51.4 | 52.5 | 46.1 | 44.1 | 53.2 | 46.1 | 51.4 | 51.7 | 48.3 | 48.5 | 51.8 | 44.8 | 40.7 | 53.7 | 45.1 | 45.4 |
| Number | 6 | 6 | — | 29 | 32 | 15 | 30 | 38 | 34 | 27 | 32 | 15 | 33 | 29 | 70 | 21 | 32 | 26 | 25 | 31 | 30 |
| Local Mean Difference | 6.3 | — | — | 5.1 | — | — | 6.4 | — | — | 7.1 | — | — | 3.5 | — | — | 6.9 | — | — | 8.6 | — | — |
| Best Match Mean Difference | — | — | — | 3.9 | — | — | 8.4 | — | — | — | — | — | 3.3 | — | — | 11.1 | — | — | 8.3 | — | — |
| SCHOOL'S RECEPTIVITY | 52.9 | 50.2 | — | 53.8 | 47.4 | 42.9 | 54.7 | 53.3 | 48.5 | 52.0 | 50.9 | 42.9 | 52.0 | 48.9 | 48.0 | 53.4 | 50.4 | 47.5 | 51.6 | 50.5 | 50.2 |
| Number | 6 | 6 | — | 29 | 32 | 15 | 31 | 37 | 34 | 29 | 32 | 15 | 33 | 29 | 70 | 21 | 32 | 26 | 25 | 31 | 29 |
| Local Mean Difference | 2.7 | — | — | 6.4 | — | — | — | — | — | — | — | — | 3.2 | — | — | 3.0 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 10.9 | — | — | 6.2 | — | — | 9.1 | — | — | 4.0 | — | — | 6.0 | — | — | — | — | — |
| PARENT LOGS | 47.4 | 48.7 | — | 46.2 | 49.5 | 53.3 | 44.3 | 45.1 | 46.9 | 55.5 | 52.2 | 53.3 | 50.2 | 53.4 | 53.9 | 46.0 | 45.6 | 53.5 | 42.4 | 46.6 | 50.9 |
| Number | 6 | 6 | — | 29 | 32 | 15 | 31 | 39 | 34 | 28 | 32 | 15 | 33 | 29 | 70 | 21 | 32 | 26 | 25 | 31 | 30 |
| Local Mean Difference | — | — | — | -3.3 | — | — | — | — | — | 3.2 | — | — | -3.2 | — | — | — | — | — | -4.2 | — | — |
| Best Match Mean Difference | — | — | — | -7.1 | — | — | -2.6 | — | — | — | — | — | -3.7 | — | — | -7.6 | — | — | -8.5 | — | — |
| SCH HELPED PERSONALLY | 51.9 | 47.7 | — | 53.6 | 51.2 | 54.0 | 51.9 | 47.5 | 47.0 | 49.2 | 46.2 | 54.0 | 49.2 | 47.4 | 48.7 | 53.1 | 46.5 | 46.8 | 54.2 | 47.1 | 49.4 |
| Number | 6 | 6 | — | 29 | 32 | 15 | 31 | 39 | 34 | 28 | 32 | 15 | 33 | 29 | 70 | 21 | 32 | 26 | 25 | 31 | 30 |
| Local Mean Difference | 4.2 | — | — | — | — | — | 4.4 | — | — | 3.0 | — | — | — | — | — | 6.6 | — | — | 7.1 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 4.9 | — | — | -4.6 | — | — | — | — | — | 4.2 | — | — | 4.8 | — | — |
| PARENT-CHILD INTERACTION | 50.6 | 48.3 | — | 55.3 | 53.9 | 53.1 | 47.9 | 48.7 | 49.9 | 49.8 | 47.5 | 53.1 | 51.0 | 46.6 | 52.8 | 51.6 | 47.5 | 49.0 | 47.8 | 45.5 | 46.6 |
| Number | 6 | 6 | — | 29 | 32 | 15 | 31 | 39 | 34 | 28 | 32 | 15 | 33 | 29 | 70 | 21 | 32 | 26 | 25 | 31 | 30 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | 4.4 | — | — | 4.3 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | -3.3 | — | — | — | — | — | 2.8 | — | — | — | — | — |
| BEST MATCHED SITE | | | | Morgan Comm Sch, DC | | | Great Falls, MT | | | Morgan Comm Sch, DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

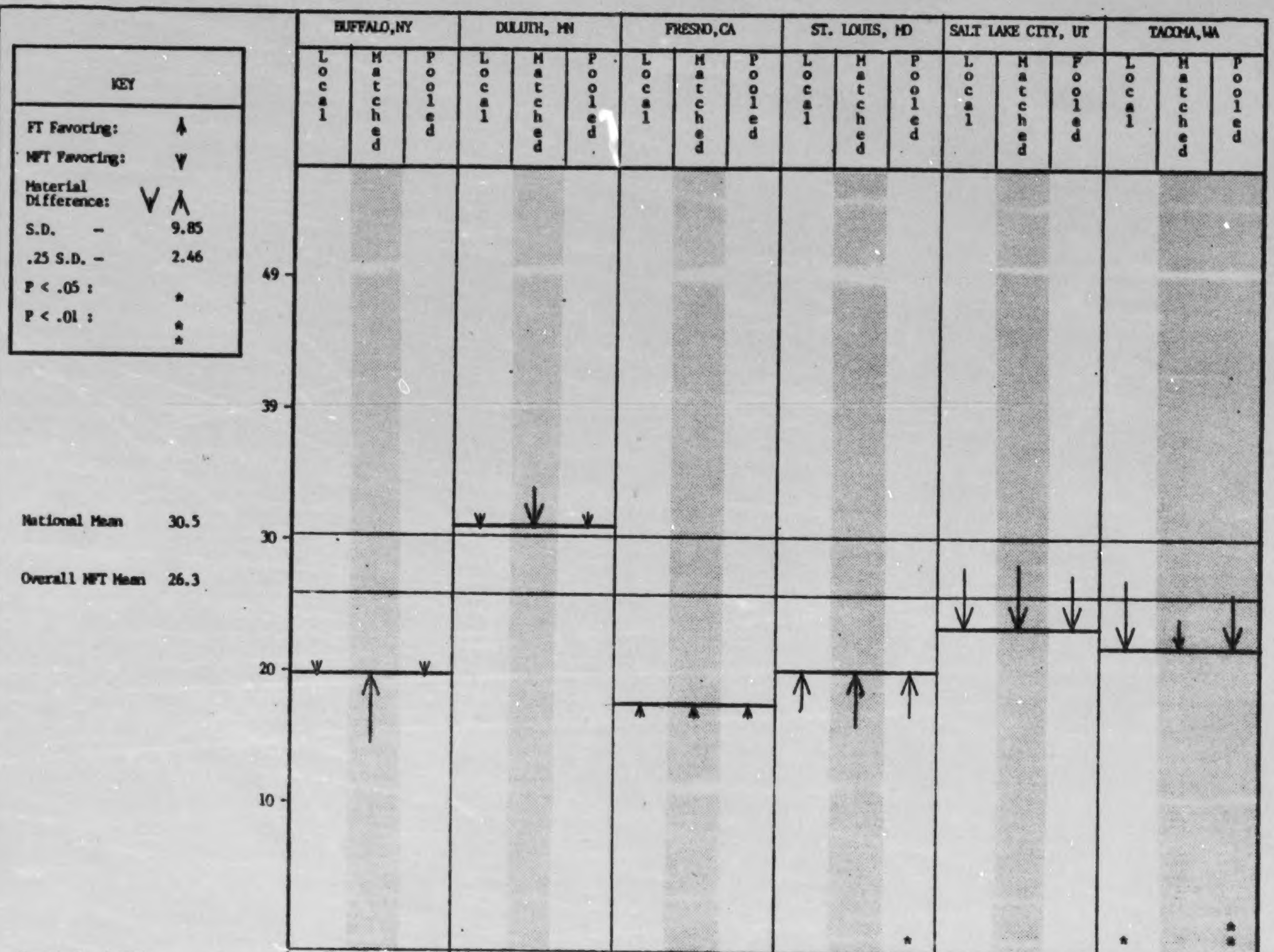
## Table C2-IIIK-6

## PROPORTION OF ATTRITION AND DESCRIPTIVE INFORMATION FOR RESPONSIVE EDUCATION MODEL

| | | Buffalo, NY | | Duluth, MN | | Fresno, CA | | St. Louis, MO | | Salt Lake City, UT | | Tacoma, WA | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| NUMBER | | | | | | | | | | | | | |
| Total Registration | N | 191 | 176 | 189 | 179 | 163 | 187 | 152 | 220 | 121 | 142 | 194 | 174 |
| Children Retained (Analytic Sample) | N | 54 | 35 | 57 | 79 | 44 | 57 | 39 | 49 | 22 | 49 | 54 | 47 |
| Children Not Retained (Program and Sample Attrition) | N | 137 | 141 | 132 | 100 | 119 | 130 | 113 | 171 | 99 | 93 | 140 | 127 |
| | %* | 72 | 80 | 70 | 56 | 73 | 70 | 74 | 78 | 82 | 66 | 72 | 73 |
| Children Not Retained (Sample Attrition) | N | 10 | 4 | 14 | 7 | 9 | 24 | 2 | 18 | 15 | 14 | 17 | 13 |
| | %* | 5 | 2 | 7 | 4 | 6 | 13 | 1 | 8 | 12 | 10 | 9 | 7 |
| WRAT | | | | | | | | | | | | | |
| Total Registration | Mean | 24.1 | 23.8 | 34.0 | 34.6 | 24.0 | 25.4 | 28.2 | 27.7 | 31.2 | 32.4 | 31.1 | 32.4 |
| | Standard Deviation | 10.3 | 11.0 | 11.3 | 11.8 | 10.5 | 11.9 | 11.2 | 10.0 | 12.3 | 12.4 | 12.5 | 14.0 |
| | Number | 168 | 150 | 172 | 165 | 137 | 163 | 137 | 174 | 105 | 127 | 151 | 114 |
| Children Retained (Analytic Sample) | Mean | 24.7 | 20.5 | 34.3 | 36.4 | 25.3 | 28.6 | 24.5 | 30.3 | 29.0 | 31.6 | 33.3 | 38.2 |
| | Standard Deviation | 11.0 | 10.9 | 11.4 | 10.4 | 12.1 | 12.2 | 7.7 | 9.9 | 14.0 | 11.2 | 12.9 | 13.3 |
| | Number | 52 | 34 | 53 | 78 | 40 | 57 | 36 | 46 | 21 | 48 | 48 | 44 |
| Children Not Retained (Program and Sample Attrition) | Mean | 23.9 | 24.8 | 32.6 | 33.0 | 23.4 | 23.7 | 29.5 | 26.7 | 31.7 | 32.9 | 30.1 | 28.7 |
| | Standard Deviation | 9.9 | 10.9 | 11.3 | 12.9 | 9.8 | 11.4 | 12.0 | 9.9 | 11.9 | 13.1 | 12.3 | 13.2 |
| | Number | 116 | 116 | 119 | 87 | 97 | 106 | 101 | 128 | 84 | 79 | 103 | 70 |
| Children Not Retained (Sample Attrition) | Mean | 22.10 | 26.0 | 34.0 | 37.42 | 18.7 | 25.1 | 9.0 | 27.1 | 32.6 | 35.4 | 27.1 | 30.1 |
| | Standard Deviation | 9.63 | 13.16 | 9.48 | 14.26 | 8.7 | 8.2 | 12.7 | 7.9 | 13.6 | 16.5 | 13.9 | 14.0 |
| | Number | 10 | 4 | 14 | 7 | 9 | 24 | 2 | 18 | 15 | 13 | 17 | 13 |
| INCOME | | | | | | | | | | | | | |
| Total Registration | Mean | 4984.3 | 4683.8 | 5890.3 | 7461. | 3974 | 3717 | 4415 | 3921 | 4189 | 6929 | 4820 | 6504 |
| | Standard Deviation | 2641.9 | 2575.8 | 2932.2 | 2568 | 2226 | 2297 | 2220 | 2724 | 2253 | 2571 | 2654 | 3001 |
| | Number | 96 | 99 | 147 | 160 | 97 | 107 | 92 | 100 | 88 | 112 | 85 | 98 |
| Children Retained (Analytic Sample) | Mean | 5258.0 | 5604.1 | 5815.9 | 7853 | 4253 | 3936 | 4077 | 3590 | 4453 | 7561 | 5108 | 7231 |
| | Standard Deviation | 2738.3 | 2850.7 | 2984.8 | 2272 | 2318 | 2361 | 2489 | 2393 | 2084 | 2380 | 2914 | 2637 |
| | Number | 31 | 24 | 50 | 77 | 30 | 39 | 22 | 31 | 15 | 44 | 25 | 38 |
| Children Not Retained (Program and Sample Attrition) | Mean | 4853.8 | 4389.3 | 5928.7 | 7097 | 3649 | 3591 | 4127 | 4070 | 4134 | 6520 | 4700 | 6043 |
| | Standard Deviation | 2606.1 | 2428.6 | 2919.5 | 2780 | 2190 | 2267 | 2148 | 2964 | 2296 | 2624 | 2554 | 3144 |
| | Number | 65 | 75 | 97 | 83 | 67 | 68 | 70 | 69 | 73 | 68 | 60 | 60 |
| Children Not Retained (Sample Attrition) | Mean | 4500 | 3525 | 5290 | 6683 | 3750 | 2829 | 9999 | 4533 | 3484 | 7181 | 4942 | 5955 |
| | Standard Deviation | 1306 | 1955 | 3167 | 2709 | 1418 | 1422 | 0 | 3712 | 2600 | 2370 | 2590 | 2850 |
| | Number | 6 | 4 | 11 | 6 | 6 | 17 | 1 | 6 | 13 | 11 | 7 | 9 |

*Percent of Total Registration.

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT
## ON THE MAT WORD KNOWLEDGE
## FOR COHORT III KINDERGARTEN SITES
## IN THE RESPONSIVE EDUCATION MODEL

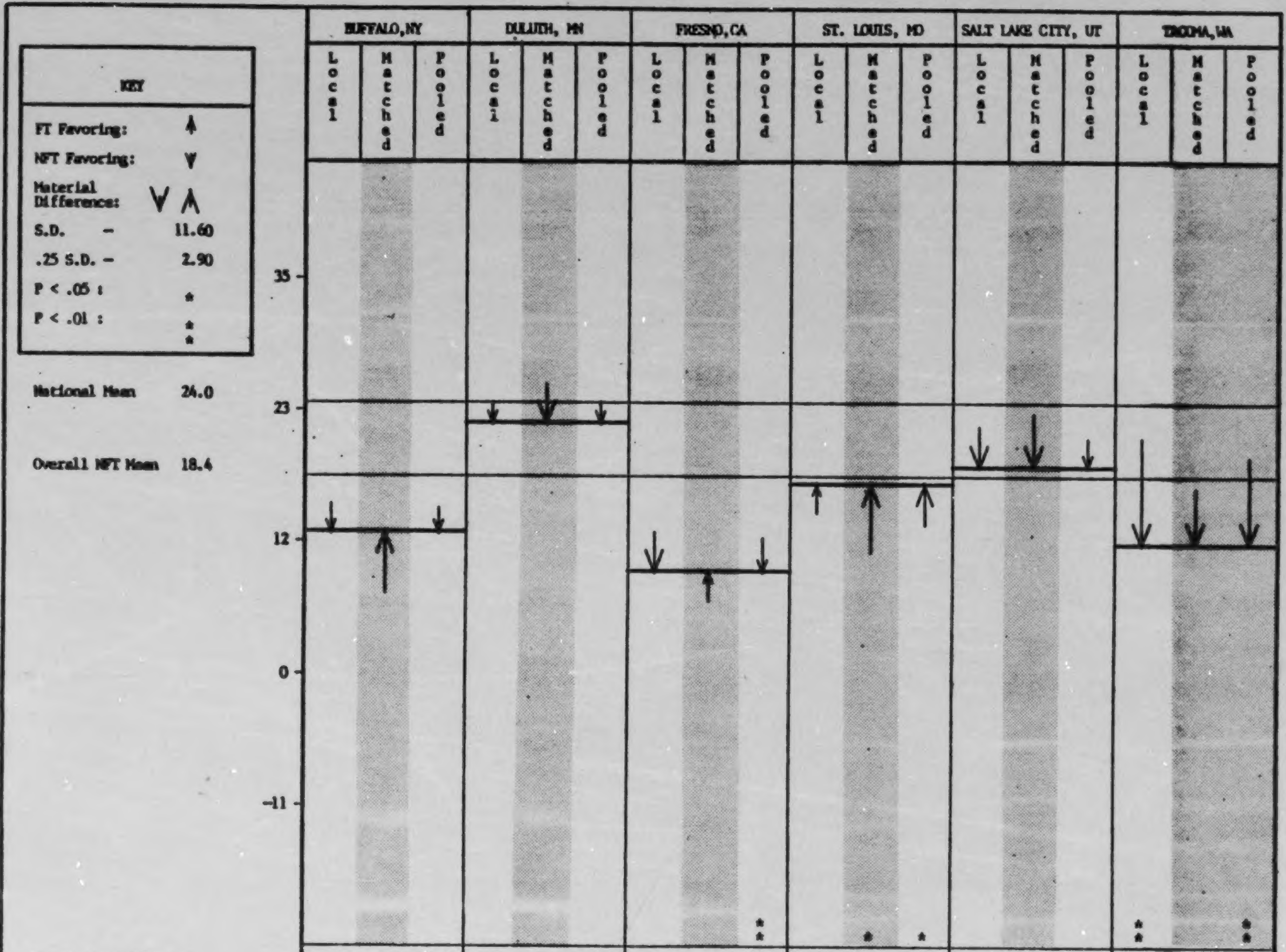


| | BUFFALO,NY | | | DULUTH, MN | | | FRESNO,CA | | | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA,WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.63 | 5.12 | -0.40 | -0.92 | -2.87 | -0.69 | 0.22 | 0.58 | 0.43 | 2.64 | 4.04 | 3.16 | -4.52 | -4.68 | -4.00 | -5.21 | -2.21 | -3.98 |
| Standard Error | 2.22 | 3.39 | 1.30 | 1.80 | 1.90 | 1.31 | 2.19 | 3.28 | 1.08 | 2.19 | 2.10 | 1.26 | 2.74 | 4.00 | 2.15 | 2.22 | 3.23 | 1.34 |
| FT Mean | 19.96 | | | 31.05 | | | 17.77 | | | 20.28 | | | 23.59 | | | 22.11 | | |
| No. of FT Children | 54 | | | 57 | | | 44 | | | 39 | | | 22 | | | 54 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Great Falls, MT | | | Morgan Comm Sch,DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C2-IIIK-8

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT SPELLING FOR COHORT III KINDERGARTEN SITES IN THE RESPONSIVE EDUCATION MODEL



| | BUFFALO,NY | | | DULUTH, MN | | | FRESNO,CA | | | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA,WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -2.59 | 5.30 | -2.27 | -1.90 | -3.32 | -2.00 | -3.29 | 2.72 | -2.81 | 2.55 | 5.99 | 3.47 | -3.57 | -4.75 | -2.49 | -9.45 | -4.88 | -7.62 |
| Standard Error | 2.63 | 4.48 | 1.54 | 2.14 | 1.94 | 1.23 | 2.59 | 3.70 | 1.06 | 2.59 | 2.78 | 1.75 | 3.25 | 4.35 | 2.15 | 2.63 | 3.51 | 1.42 |
| FT Mean | 12.72 | | | 22.47 | | | 9.43 | | | 17.00 | | | 18.59 | | | 11.74 | | |
| No. of FT Children | 54 | | | 57 | | | 44 | | | 39 | | | 22 | | | 54 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Great Falls, MT | | | Morgan Comm Sch,DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

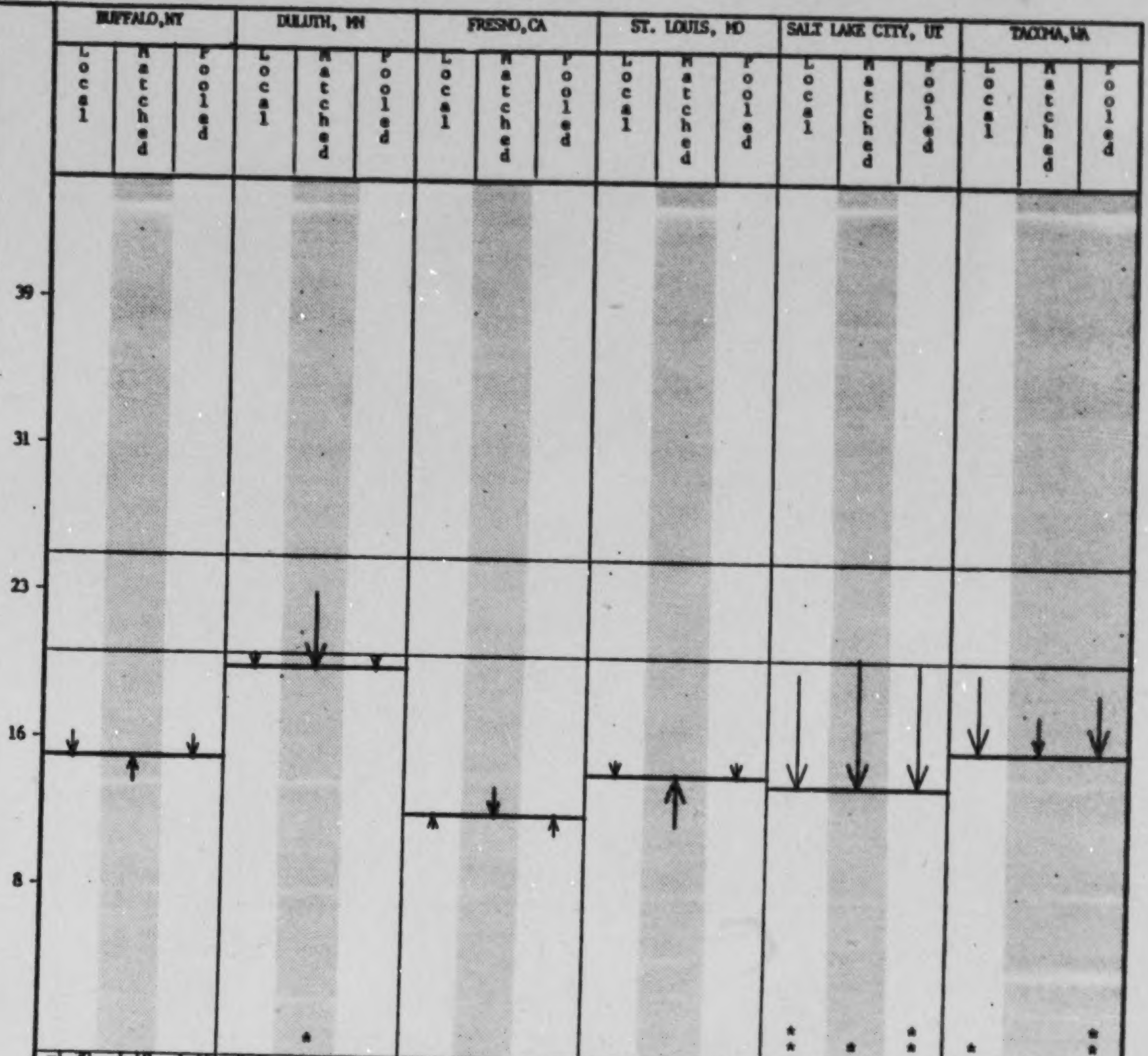
## Table C2-IIIK-9

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE FOR COHORT III KINDERGARTEN SITES IN THE RESPONSIVE EDUCATION MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. – | 7.75 |
| .25 S.D. – | 1.94 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 26.0

Overall NFT Mean 20.6



| | BUFFALO, NY | | | DULUTH, MN | | | FRESNO, CA | | | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA, WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.30 | 1.40 | -1.14 | -0.25 | -4.01 * | -0.02 | 0.59 | -1.49 | 0.96 | -0.48 | 2.65 | -0.42 | -5.85 ** | -6.74 * | -6.54 ** | -4.02 * | -1.86 | -3.11 ** |
| Standard Error | 1.76 | 2.24 | 0.71 | 1.43 | 1.69 | 1.06 | 1.73 | 2.45 | 0.73 | 1.74 | 1.45 | 1.05 | 2.17 | 2.62 | 1.27 | 1.76 | 2.55 | 0.96 |
| FT Mean | 15.04 | | | 19.74 | | | 12.09 | | | 14.33 | | | 13.86 | | | 15.67 | | |
| No. of FT Children | 54 | | | 57 | | | 44 | | | 39 | | | 22 | | | 54 | | |
| Matched NFT Site | Morgan Comm Sch, DC | | | Great Falls, MT | | | Morgan Comm Sch, DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

## Table C2-IIIK-10

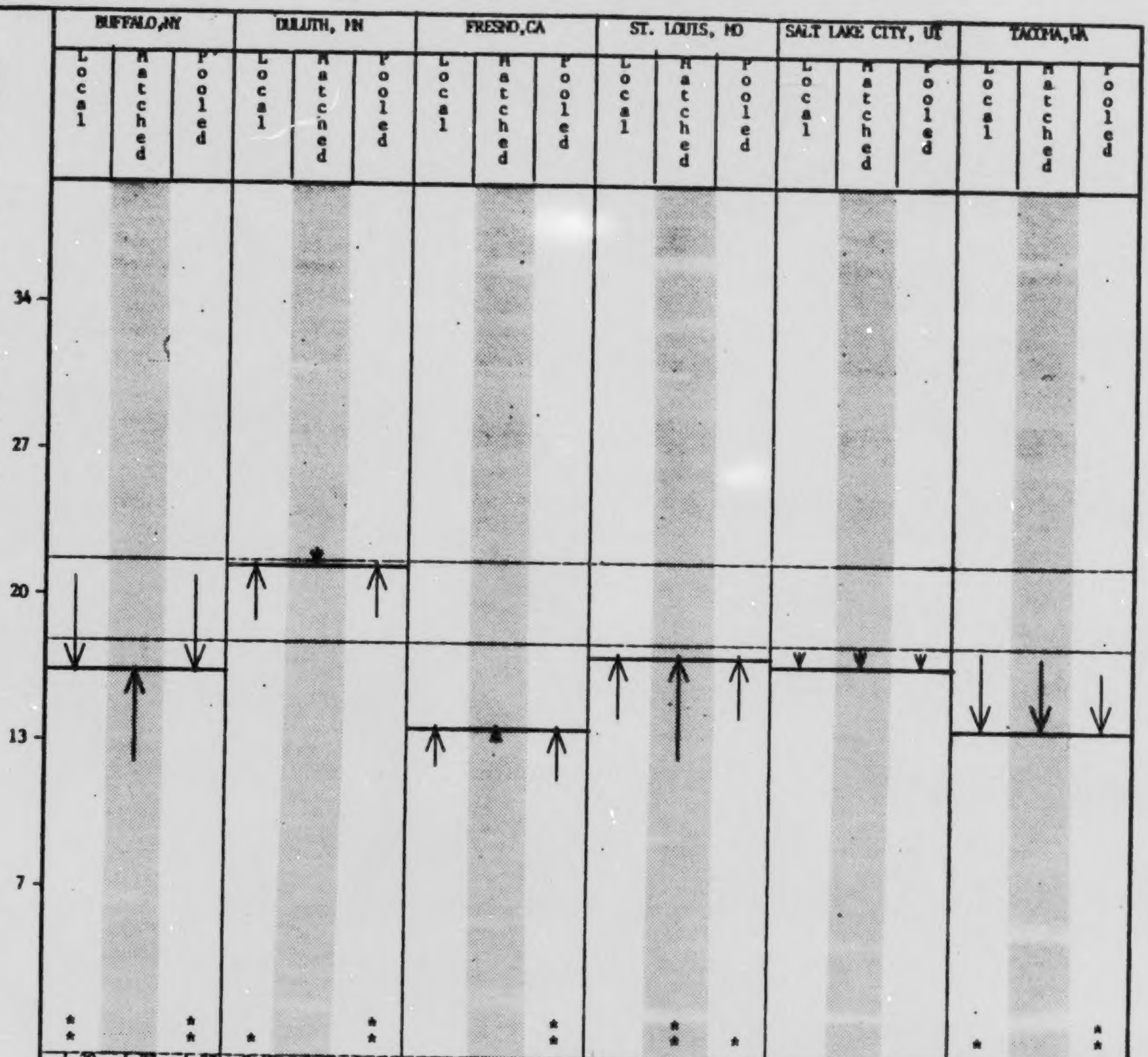
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT
### ON THE MAT MATHEMATICS COMPUTATIONS
### FOR COHORT III KINDERGARTEN SITES
### IN THE RESPONSIVE EDUCATION MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. - | 6.71 |
| .25 S.D. - | 1.68 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.5

Overall NFT Mean 18.5



| | BUFFALO, NY Local | BUFFALO, NY Matched | BUFFALO, NY Pooled | DULUTH, MN Local | DULUTH, MN Matched | DULUTH, MN Pooled | FRESNO, CA Local | FRESNO, CA Matched | FRESNO, CA Pooled | ST. LOUIS, MO Local | ST. LOUIS, MO Matched | ST. LOUIS, MO Pooled | SALT LAKE CITY, UT Local | SALT LAKE CITY, UT Matched | SALT LAKE CITY, UT Pooled | TACOMA, WA Local | TACOMA, WA Matched | TACOMA, WA Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ** | | ** | * | | ** | | | ** | | ** | * | | | | * | | ** |
| Magnitude of Effect | -4.39 | 4.27 | -4.37 | 2.48 | -0.72 | 2.36 | 1.79 | 0.42 | 2.41 | 2.76 | 4.68 | 2.81 | -0.50 | -0.24 | -0.51 | -3.42 | -3.26 | -2.63 |
| Standard Error | 1.54 | 2.27 | 0.81 | 1.25 | 1.20 | 0.81 | 1.52 | 2.37 | 0.75 | 1.52 | 1.52 | 1.17 | 1.90 | 2.84 | 1.10 | 1.54 | 2.30 | 0.89 |
| FT Mean | | 17.07 | | | 21.95 | | | 14.48 | | | 17.77 | | | 17.41 | | | 14.59 | |
| No. of FT Children | | 54 | | | 57 | | | 44 | | | 39 | | | 22 | | | 54 | |
| Matched NFT Site | Morgan Comm Sch, DC | | | Great Falls, MT | | | Morgan Comm Sch, DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

### Table C2-IIIK-11

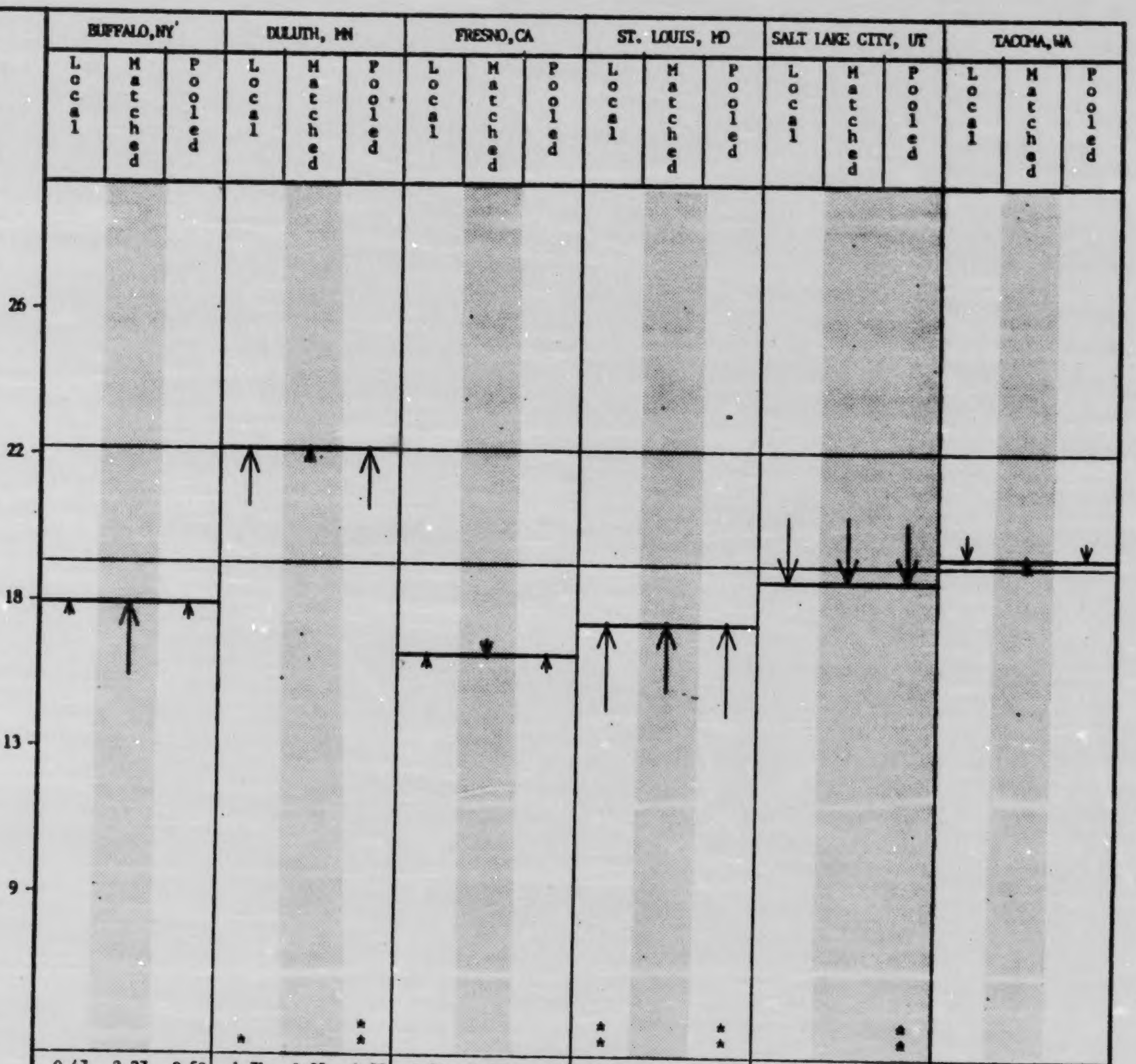
**ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE RAVEN S PROGRESSIVE MATRICES
FOR COHORT III KINDERGARTEN SITES
IN THE RESPONSIVE EDUCATION MODEL**

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋎ ⋏ |
| S.D. – | 4.38 |
| .25 S.D. – | 1.09 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.3

Overall NFT Mean 19.0

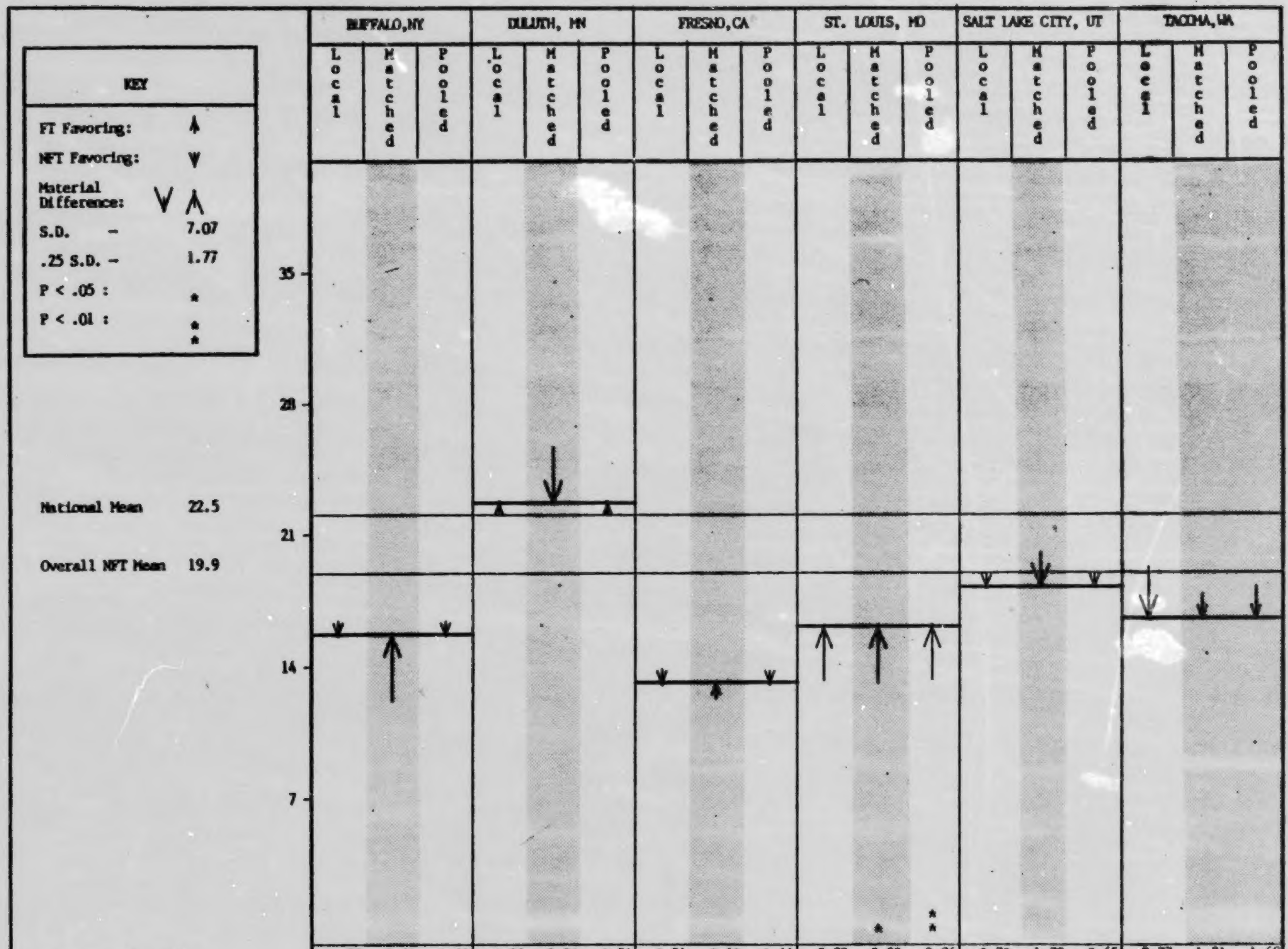


| | BUFFALO,NY Local | Matched | Pooled | DULUTH, MN Local | Matched | Pooled | FRESNO,CA Local | Matched | Pooled | ST. LOUIS, MO Local | Matched | Pooled | SALT LAKE CITY, UT Local | Matched | Pooled | TACOMA,WA Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 0.47 | 2.27 | 0.50 | 1.71 | 0.25 | 1.77 | 0.20 | -0.49 | 0.14 | 2.59 | 2.00 | 2.74 | -1.94 | -1.92 | -1.74 | -0.68 | 0.14 | -0.35 |
| Standard Error | 0.98 | 1.70 | 0.57 | 0.80 | 0.67 | 0.39 | 0.97 | 1.92 | 0.65 | 0.97 | 1.02 | 0.71 | 1.21 | 1.25 | 0.57 | 0.98 | 1.44 | 0.62 |
| FT Mean | 17.67 | | | 22.25 | | | 16.09 | | | 17.05 | | | 18.36 | | | 19.11 | | |
| No. of FT Children | 54 | | | 57 | | | 44 | | | 39 | | | 22 | | | 54 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Great Falls, MT | | | Morgan Comm Sch,DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

COHORT III-K STUDY
Non-Preschool Adjusted

# Table C2-IIIK-12

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT READING FOR COHORT III KINDERGARTEN SITES IN THE RESPONSIVE EDUCATION MODEL



| | BUFFALO,NY | | | DULUTH, MN | | | FRESNO,CA | | | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA,WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.75 | 3.61 | -0.31 | 0.36 | -2.90 | 0.54 | -0.84 | 0.60 | -0.11 | 2.82 | 2.92 | 2.86 | -0.70 | -1.79 | -0.65 | -2.77 | -1.31 | -1.68 |
| Standard Error | 1.61 | 2.09 | 0.68 | 1.31 | 1.63 | 1.07 | 1.59 | 2.17 | 0.71 | 1.59 | 1.35 | 0.94 | 1.99 | 3.00 | 1.60 | 1.61 | 2.49 | 0.95 |
| FT Mean | 16.22 | | | 23.28 | | | 13.50 | | | 16.49 | | | 18.64 | | | 16.98 | | |
| No. of FT Children | 54 | | | 57 | | | 44 | | | 39 | | | 22 | | | 54 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Great Falls, MT | | | Morgan Comm Sch,DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

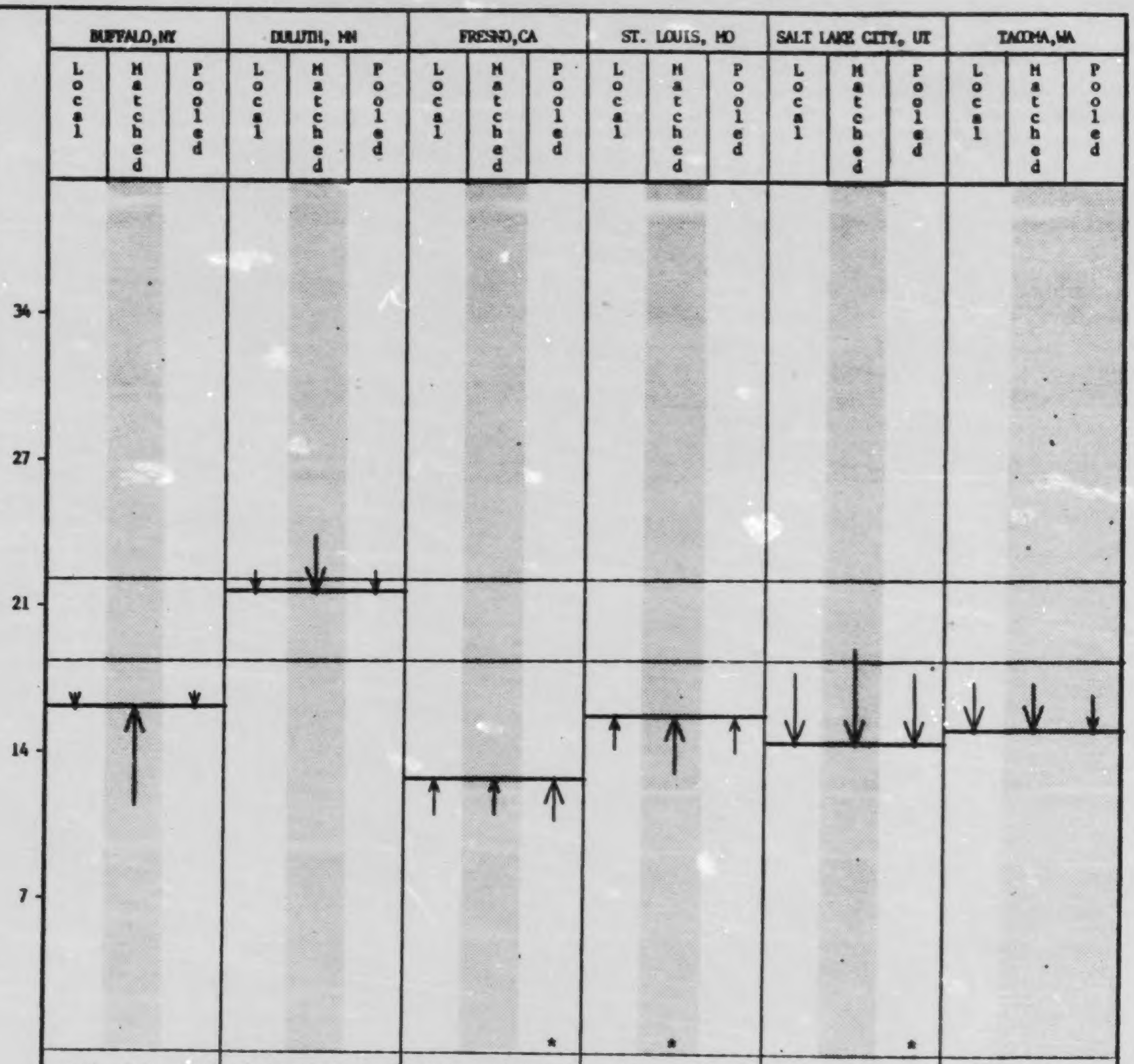
## Table C2-IIIK-13

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT
### ON THE MAT MATHEMATICS CONCEPTS
### FOR COHORT III KINDERGARTEN SITES
### IN THE RESPONSIVE EDUCATION MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 6.87 |
| .25 S.D. - | 1.72 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.0

Overall NFT Mean 18.0



| | BUFFALO,NY | | | DULUTH, MN | | | FRESNO,CA | | | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA,WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | | | | | | | | * | | * | | | | * | | | |
| Magnitude of Effect | -0.41 | 4.60 | -0.35 | -1.02 | -2.65 | -1.07 | 1.69 | 1.66 | 1.95 | 1.54 | 2.78 | 1.66 | -3.27 | -4.35 | -3.20 | -2.37 | -2.14 | -1.69 |
| Standard Error | 1.60 | 2.51 | 0.88 | 1.31 | 1.39 | 0.85 | 1.59 | 2.53 | 0.83 | 1.59 | 1.36 | 0.91 | 1.98 | 2.85 | 1.54 | 1.61 | 2.46 | 1.01 |
| FT Mean | 16.00 | | | 21.42 | | | 12.68 | | | 15.64 | | | 14.36 | | | 14.93 | | |
| No. of FT Children | 54 | | | 57 | | | 44 | | | 39 | | | 22 | | | 54 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Great Falls, MT | | | Morgan Comm Sch,DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

COHORT III-K STUDY
Non-Preschool Adjusted

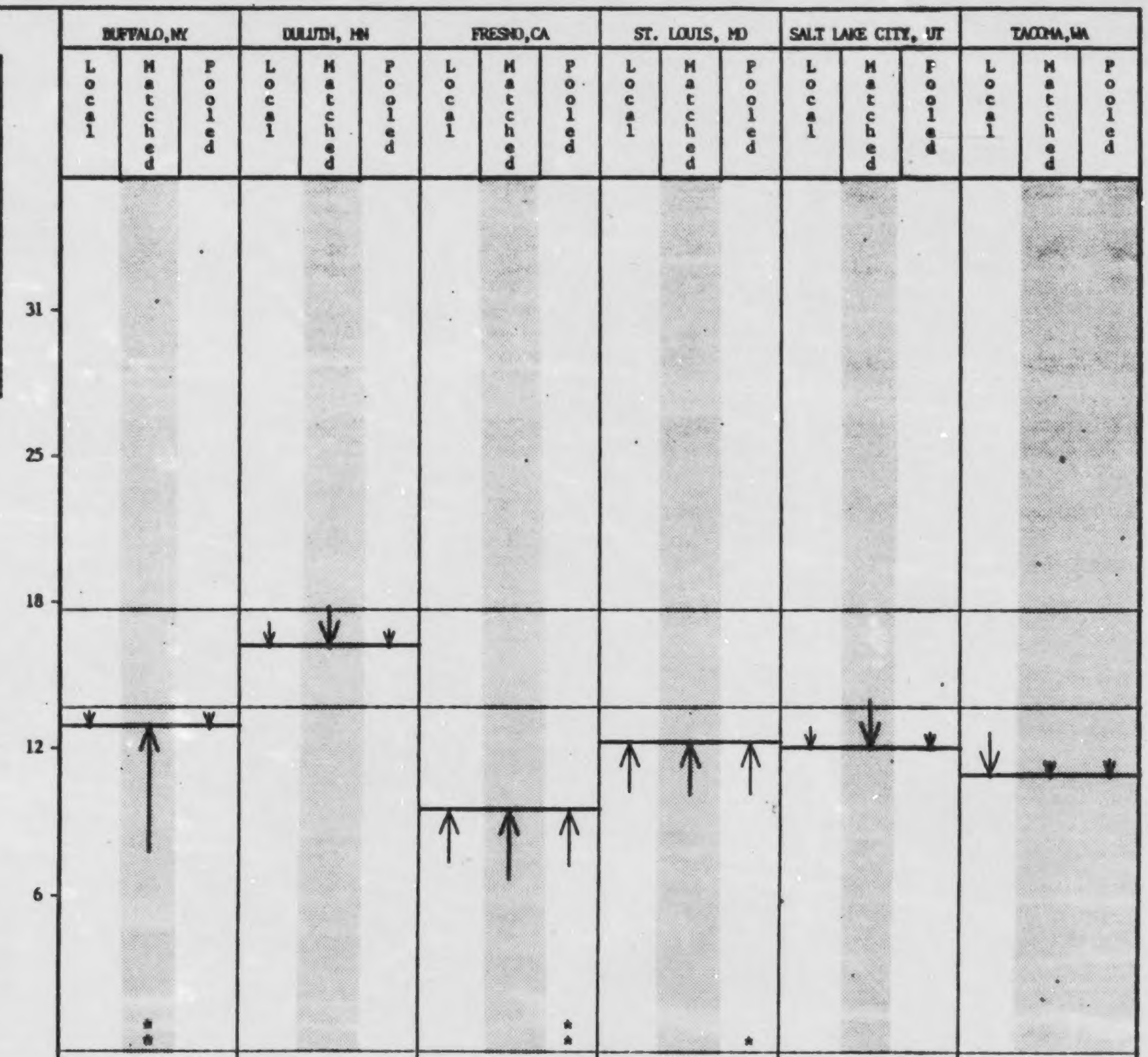
# Table C2-IIIK-14

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT III KINDERGARTEN SITES IN THE RESPONSIVE EDUCATION MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 6.14 |
| .25 S.D. - | 1.53 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 18.5

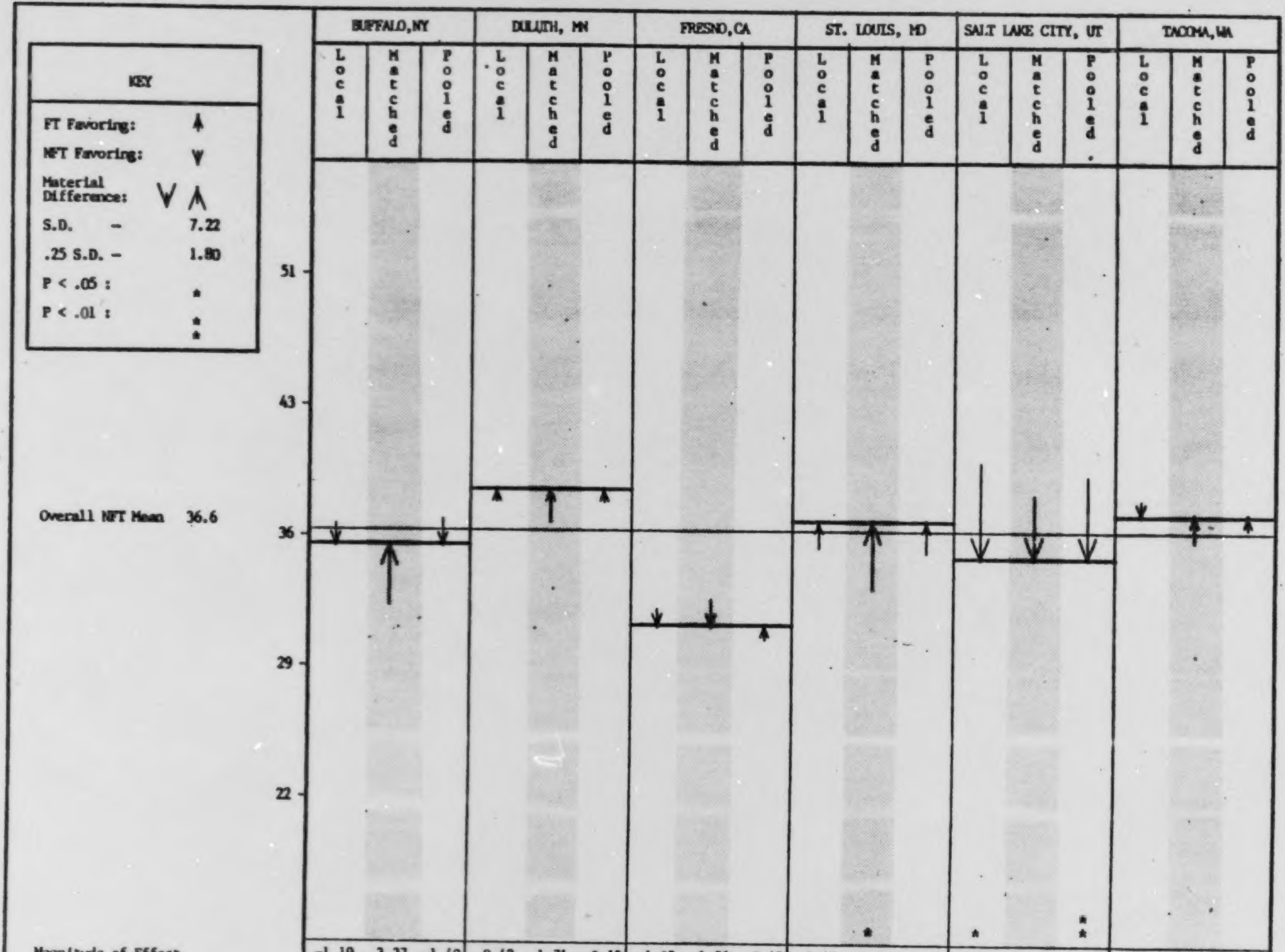
Overall NFT Mean 14.2



| | BUFFALO, NY | | | DULUTH, MN | | | FRESNO, CA | | | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA, WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.55 | 5.24 | -0.35 | -1.01 | -1.74 | -0.71 | 2.14 | 2.87 | 2.32 | 2.10 | 2.16 | 2.21 | -0.87 | -1.97 | -0.31 | -1.83 | -0.60 | -0.72 |
| Standard Error | 1.46 | 1.85 | 0.66 | 1.19 | 1.42 | 0.91 | 1.45 | 1.85 | 0.65 | 1.45 | 1.22 | 0.89 | 1.81 | 2.42 | 1.37 | 1.47 | 1.95 | 0.80 |
| FT Mean | 13.33 | | | 16.75 | | | 9.84 | | | 12.69 | | | 12.50 | | | 11.33 | | |
| No. of FT Children | 54 | | | 57 | | | 44 | | | 39 | | | 22 | | | 54 | | |
| Matched NFT Site | Morgan Comm Sch, DC | | | Great Falls, MT | | | Morgan Comm Sch, DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

## Table C2-IIIK-15

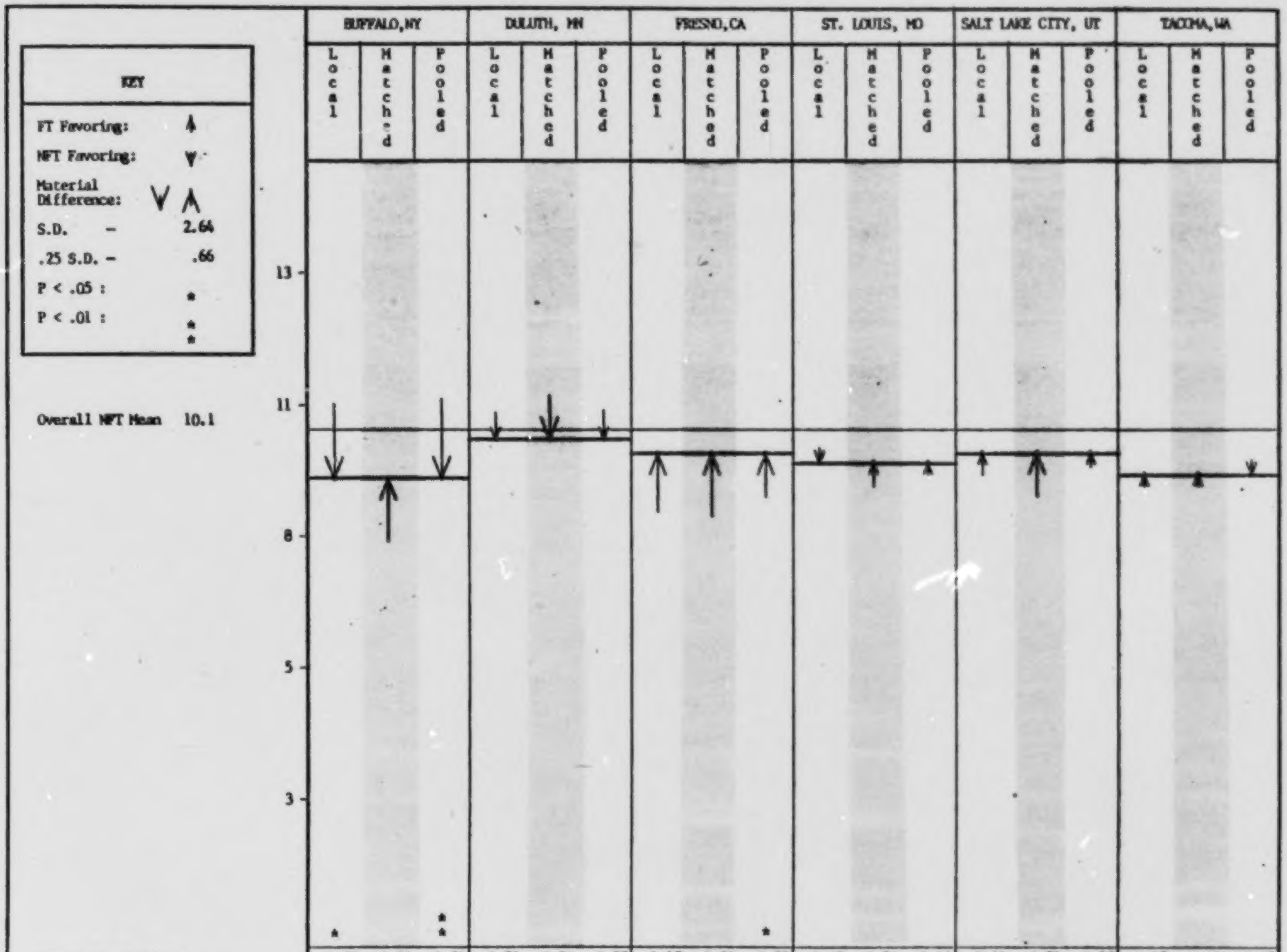
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT III KINDERGARTEN SITES IN THE RESPONSIVE EDUCATION MODEL



| | BUFFALO, NY | | | DULUTH, MN | | | FRESNO, CA | | | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA, WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.19 | 3.37 | -1.40 | 0.42 | 1.71 | 0.19 | -1.03 | -1.56 | 0.45 | 1.49 | 3.72 | 1.74 | -5.34 | -3.47 | -4.58 | -0.86 | 1.48 | 0.05 |
| Standard Error | 1.85 | 3.17 | 1.00 | 1.50 | 1.66 | 1.14 | 1.83 | 3.84 | 1.16 | 1.83 | 1.56 | 1.02 | 2.28 | 2.76 | 1.67 | 1.85 | 2.94 | 1.10 |
| FT Mean | 35.91 | | | 38.97 | | | 31.43 | | | 37.26 | | | 35.18 | | | 37.56 | | |
| No. of FT Children | 54 | | | 57 | | | 44 | | | 39 | | | 22 | | | 54 | | |
| Matched NFT Site | Morgan Comm Sch, DC | | | Great Falls, MT | | | Morgan Comm Sch, DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

## Table C2-IIIK-16

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT III KINDERGARTEN SITES IN THE RESPONSIVE EDUCATION MODEL



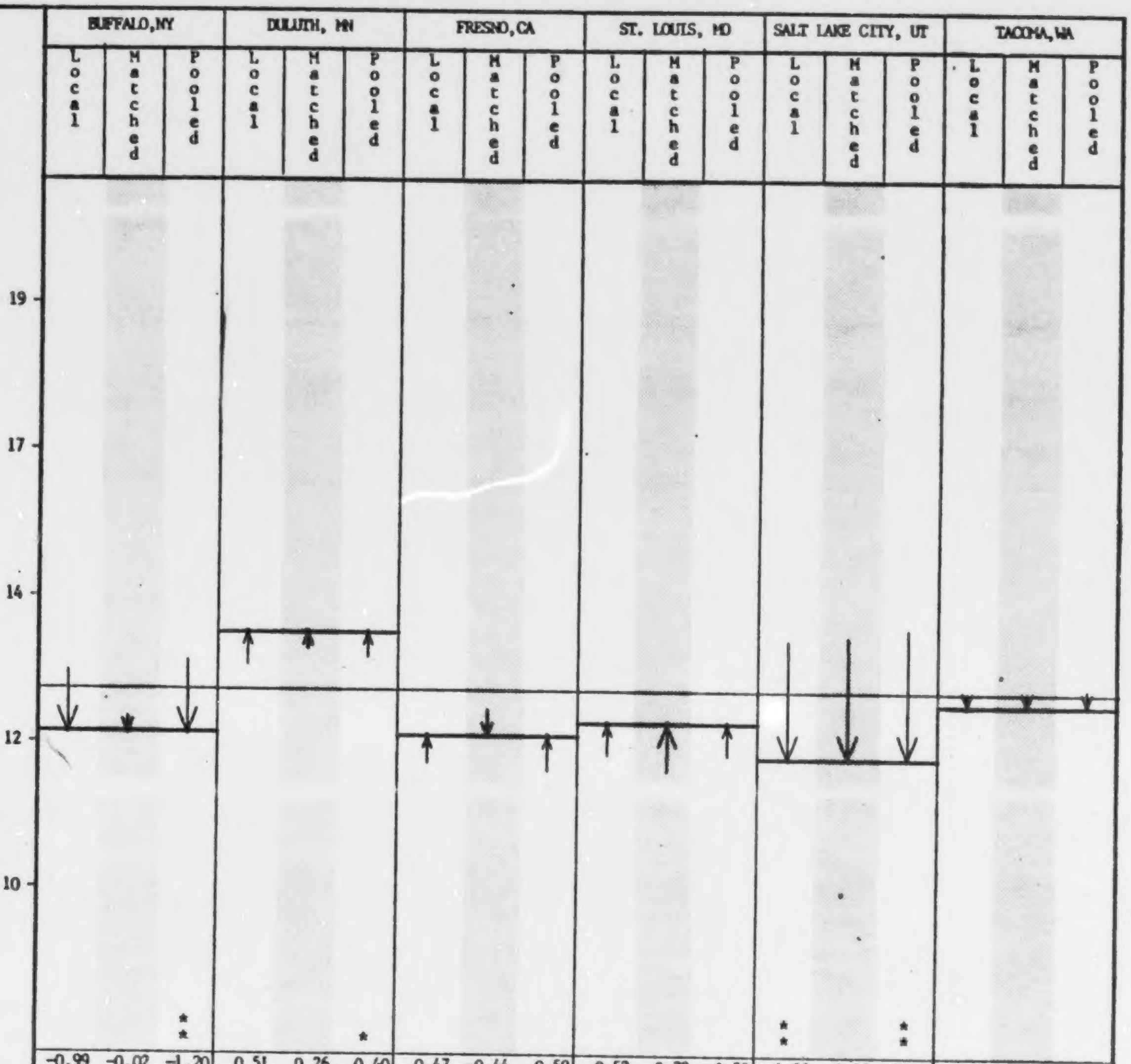
| | BUFFALO,NY | | | DULUTH, MN | | | FRESNO,CA | | | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA,WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.53 | 1.24 | -1.61 | -0.53 | -0.90 | -0.57 | 1.17 | 1.24 | 0.86 | -0.06 | 0.50 | 0.04 | 0.41 | 0.89 | 0.17 | 0.08 | 0.01 | -0.08 |
| Standard Error | 0.66 | 0.98 | 0.31 | 0.53 | 0.52 | 0.33 | 0.65 | 1.07 | 0.34 | 0.65 | 0.61 | 0.38 | 0.81 | 1.24 | 0.51 | 0.66 | 0.90 | 0.36 |
| FT Mean | 9.18 | | | 9.98 | | | 9.68 | | | 9.51 | | | 9.68 | | | 9.26 | | |
| No. of FT Children | 54 | | | 57 | | | 44 | | | 39 | | | 22 | | | 54 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Great Falls, MT | | | Morgan Comm Sch,DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

## Table C2-IIIK-17

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE FOR COHORT III KINDERGARTEN SITES IN THE RESPONSIVE EDUCATION MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. – | 2.39 |
| .25 S.D. – | .60 |
| P < .05 : | * |
| P < .01 : | ** |

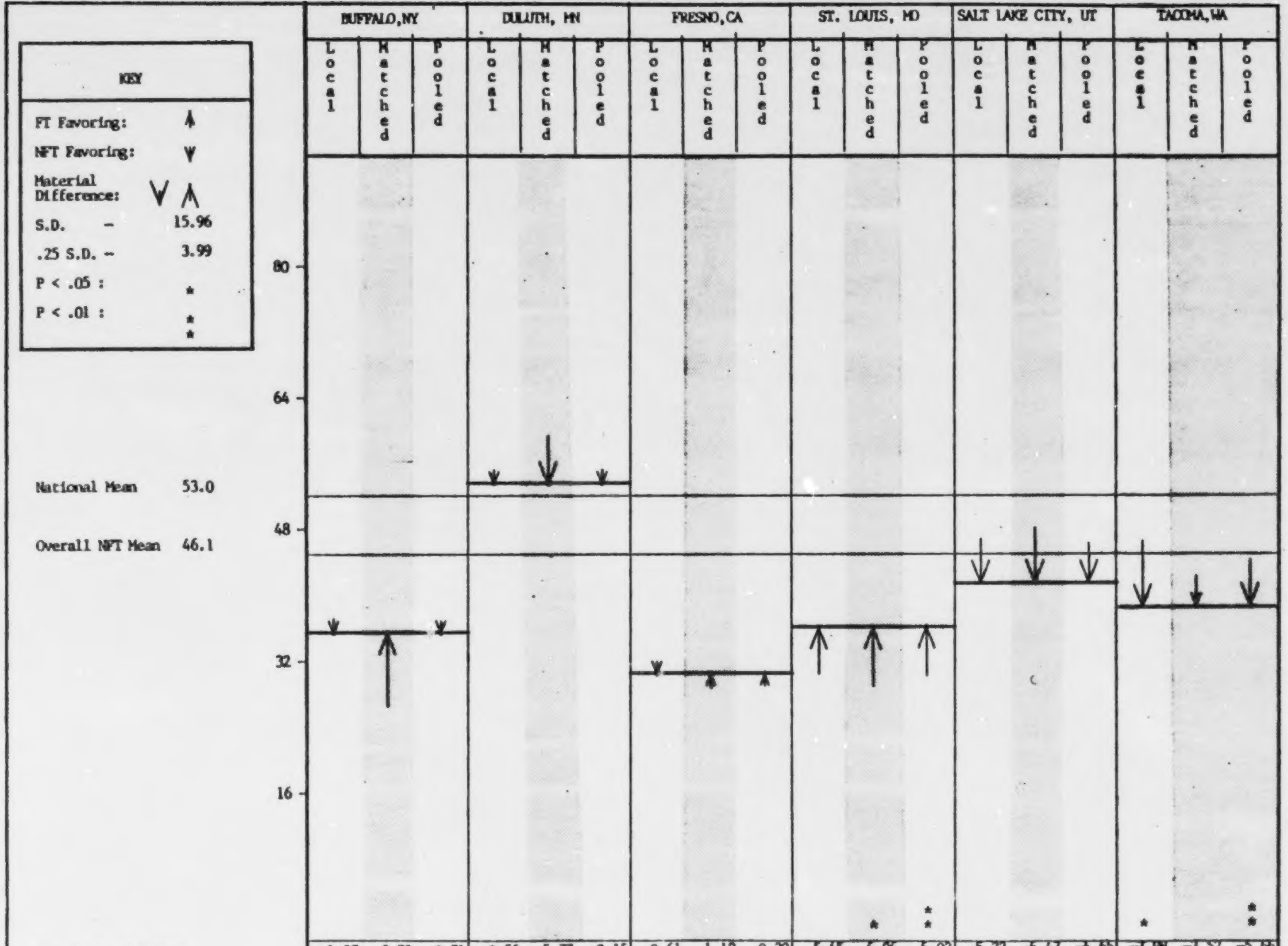
Overall NFT Mean 13.1



| | BUFFALO,NY | | | DULUTH, MN | | | FRESNO,CA | | | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA,WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.99 | -0.02 | -1.20 | 0.51 | 0.26 | 0.40 | 0.47 | -0.44 | 0.59 | 0.52 | 0.79 | 0.53 | -1.96 | -1.97 | -2.11 | -0.20 | -0.18 | -0.26 |
| Standard Error | 0.55 | 0.92 | 0.32 | 0.45 | 0.39 | 0.21 | 0.54 | 1.09 | 0.36 | 0.54 | 0.60 | 0.34 | 0.68 | 1.12 | 0.53 | 0.55 | 0.83 | 0.32 |
| FT Mean | 12.28 | | | 13.90 | | | 12.23 | | | 12.44 | | | 11.86 | | | 12.74 | | |
| No. of FT Children | 54 | | | 57 | | | 44 | | | 39 | | | 22 | | | 54 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Great Falls, MT | | | Morgan Comm Sch,DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

## Table C2-IIIK-18

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT
### ON THE MAT TOTAL READING
### FOR COHORT III KINDERGARTEN SITES
### IN THE RESPONSIVE EDUCATION MODEL



| | BUFFALO, NY | | | DULUTH, MN | | | FRESNO, CA | | | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA, WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.37 | 8.73 | -0.71 | -0.56 | -5.77 | -0.15 | -0.61 | 1.18 | 0.32 | 5.45 | 6.96 | 6.02 | -5.22 | -6.47 | -4.65 | -7.98 | -3.52 | -5.66 |
| Standard Error | 3.56 | 5.10 | 1.85 | 2.89 | 3.33 | 2.28 | 3.51 | 4.96 | 1.61 | 3.51 | 3.18 | 2.04 | 4.40 | 6.60 | 3.51 | 3.57 | 5.40 | 2.18 |
| FT Mean | 36.19 | | | 54.33 | | | 31.27 | | | 36.77 | | | 42.23 | | | 39.09 | | |
| No. of FT Children | 54 | | | 57 | | | 44 | | | 39 | | | 22 | | | 54 | | |
| Matched NFT Site | Morgan Comm Sch, DC | | | Great Falls, MT | | | Morgan Comm Sch, DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

Table C2-IIIK-19

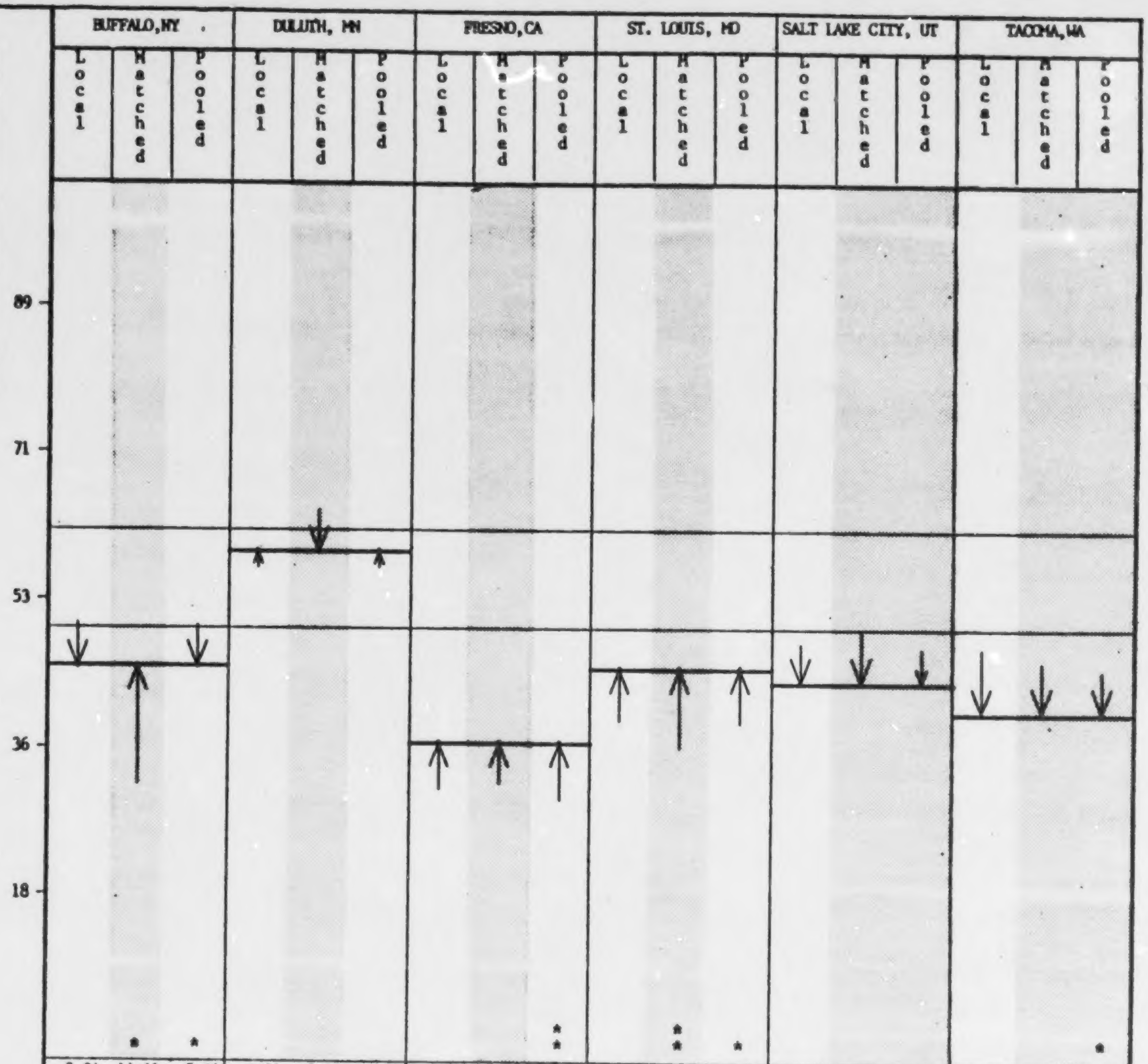
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT TOTAL MATH
FOR COHORT III KINDERGARTEN SITES
IN THE RESPONSIVE EDUCATION MODEL

KEY

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ⋎ ⋏
S.D. - 17.83
.25 S.D. - 4.46
P < .05 : *
P < .01 : **

National Mean 63.0

Overall NFT Mean 50.8



| | BUFFALO,NY | | | DULUTH, MN | | | FRESNO,CA | | | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA,WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -5.34 | 14.11 | -5.04 | 0.44 | -5.11 | 0.63 | 5.62 | 4.95 | 6.70 | 6.40 | 9.62 | 6.70 | -4.64 | -6.56 | -3.98 | -7.63 | -5.99 | -5.01 |
| Standard Error | 4.05 | 5.76 | 2.08 | 3.30 | 3.60 | 2.27 | 4.00 | 5.70 | 1.92 | 4.00 | 3.54 | 2.62 | 5.01 | 7.28 | 3.67 | 4.07 | 5.78 | 2.36 |
| FT Mean | 46.41 | | | 60.12 | | | 37.00 | | | 46.10 | | | 44.27 | | | 40.85 | | |
| No. of FT Children | 54 | | | 57 | | | 44 | | | 39 | | | 22 | | | 54 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Great Falls, MT | | | Morgan Comm Sch,DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

COHORT III-K STUDY
Non-Preschool Adjusted

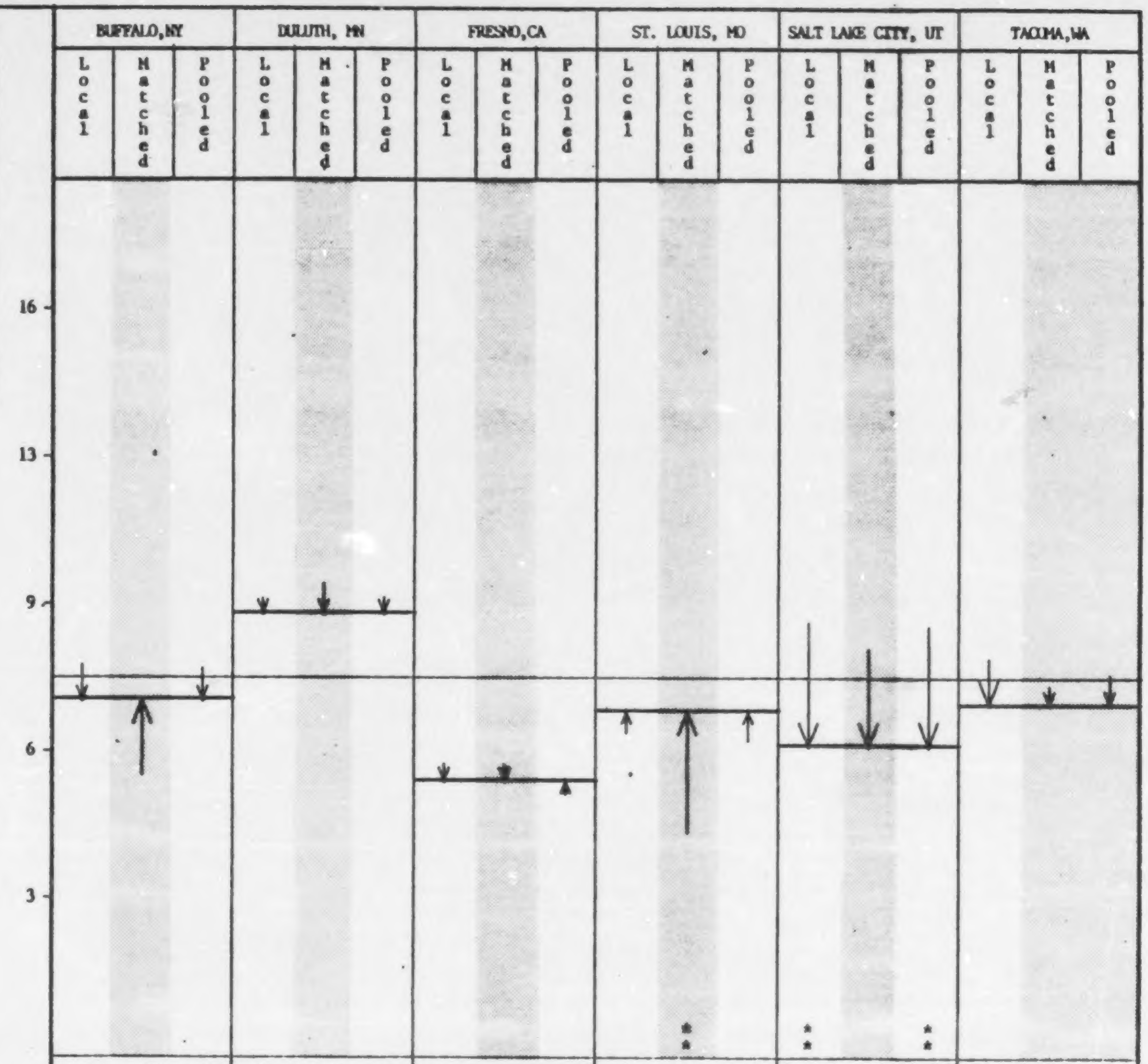
## Table C2-IIIK-20

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT III KINDERGARTEN SITES IN THE RESPONSIVE EDUCATION MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋎ ⋏ |
| S.D. - | 3.14 |
| .25 S.D. - | .79 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 8.1



| | Buffalo, NY Local | Buffalo, NY Matched | Buffalo, NY Pooled | Duluth, MN Local | Duluth, MN Matched | Duluth, MN Pooled | Fresno, CA Local | Fresno, CA Matched | Fresno, CA Pooled | St. Louis, MO Local | St. Louis, MO Matched | St. Louis, MO Pooled | Salt Lake City, UT Local | Salt Lake City, UT Matched | Salt Lake City, UT Pooled | Tacoma, WA Local | Tacoma, WA Matched | Tacoma, WA Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.73 | 1.65 | -0.72 | -0.26 | -0.63 | -0.32 | -0.08 | -0.08 | 0.02 | 0.46 | 2.65 | 0.68 | -2.64 | -2.06 | -2.57 | -0.99 | -0.39 | -0.61 |
| Standard Error | 0.75 | 1.10 | 0.40 | 0.61 | 0.53 | 0.35 | 0.74 | 1.32 | 0.41 | 0.74 | 0.70 | 0.49 | 0.93 | 1.20 | 0.64 | 0.75 | 1.05 | 0.45 |
| FT Mean | | 7.48 | | | 9.35 | | | 5.75 | | | 7.26 | | | 6.50 | | | 7.37 | |
| No. of FT Children | | 54 | | | 57 | | | 44 | | | 39 | | | 22 | | | 54 | |
| Matched NFT Site | | Morgan Comm Sch, DC | | | Great Falls, MT | | | Morgan Comm Sch, DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | |

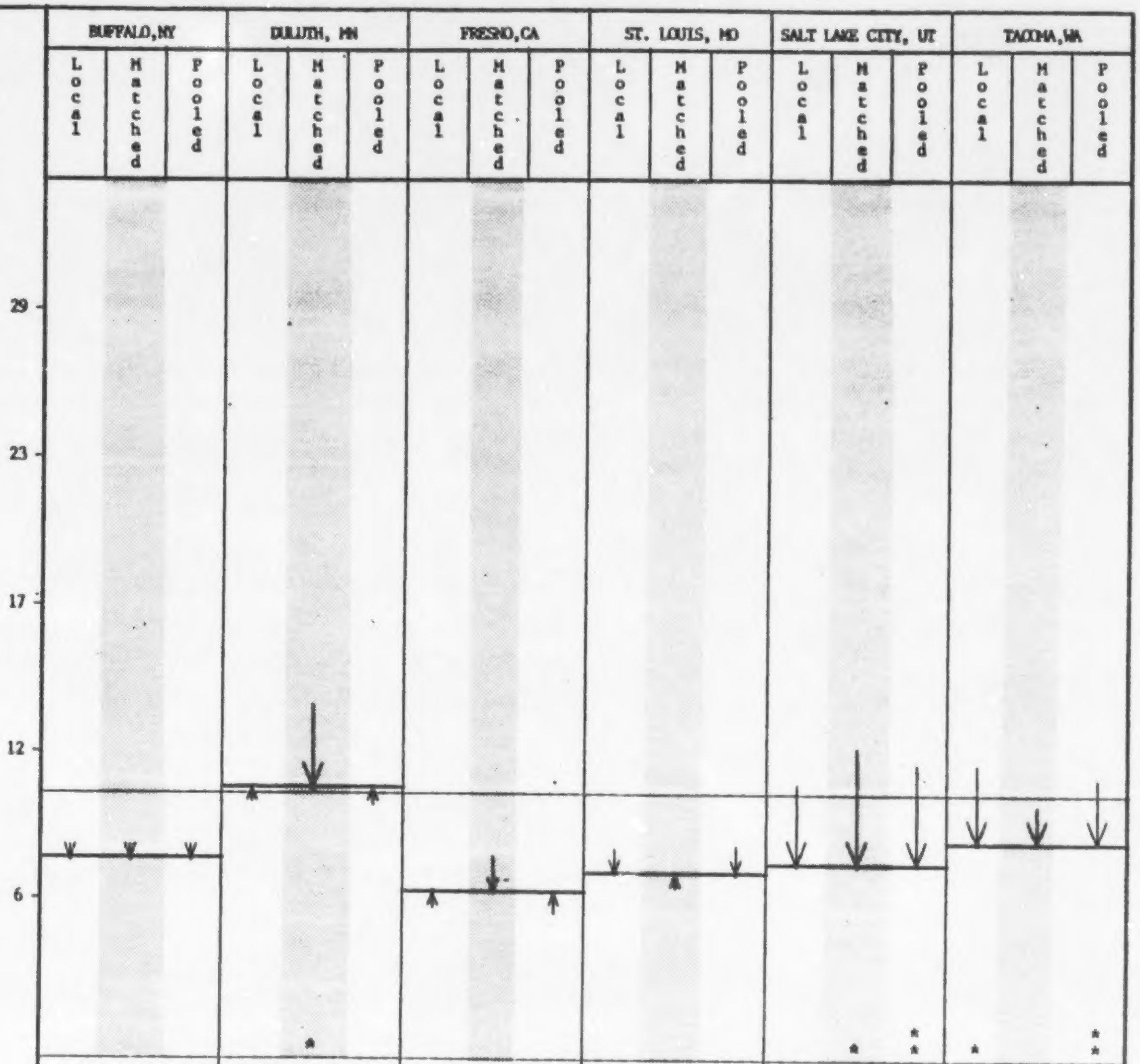
## Table C2-IIIK-21

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT III KINDERGARTEN SITES IN THE RESPONSIVE EDUCATION MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋎ ⋏ |
| S.D. - | 5.82 |
| .25 S.D. - | 1.46 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 10.3



| | BUFFALO,NY | | | DULUTH, MN | | | FRESNO,CA | | | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA,WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.57 | -0.25 | -0.42 | 0.02 | -3.38 | 0.30 | 0.67 | -1.41 | 0.94 | -0.94 | 0.00 | -1.10 | -3.21 | -4.68 | -3.97 | -3.03 | -1.46 | -2.50 |
| Standard Error | 1.39 | 1.61 | 0.49 | 1.13 | 1.47 | 0.88 | 1.37 | 1.82 | 0.54 | 1.37 | 1.05 | 0.75 | 1.71 | 1.91 | 0.90 | 1.39 | 1.98 | 0.68 |
| FT Mean | 7.56 | | | 10.39 | | | 6.34 | | | 7.08 | | | 7.36 | | | 8.30 | | |
| No. of FT Children | 54 | | | 57 | | | 44 | | | 39 | | | 22 | | | 54 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Great Falls, MT | | | Morgan Comm Sch,DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C2-IIIK-22

### STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN FOR THE RESPONSIVE EDUCATION MODEL

| | MAT NORM POPULATION | SPONSOR'S SITES | | | BUFFALO,NY | | | DULUTH, MN | | | FRESNO,CA | | | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA,WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| TOTAL READING | | | | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 61 | 52.8 | 56.6 | — | 49.7 | 49.8 | 50.3 | 62.9 | 64.0 | 68.9 | 46.0 | 51.6 | 50.3 | 52.3 | 52.3 | 51.6 | 54.5 | 60.6 | 58.8 | 51.5 | 61.3 | 58.7 |
| Median Percentile | 50 | 24.0 | 36.0 | 34.0 | 16.0 | 16.0 | 16.0 | 56.0 | 60.0 | 72.0 | 9.0 | 22.0 | 16.0 | 22.0 | 22.0 | 22.0 | 30.0 | 48.0 | 42.0 | 22.0 | 48.0 | 42.0 |
| Grade Equivalent | 3.5 | 2.7 | 3.1 | 3.0 | 2.4 | 2.4 | 2.4 | 3.7 | 3.8 | 4.4 | 2.2 | 2.6 | 2.4 | 2.6 | 2.6 | 2.6 | 2.9 | 3.5 | 3.3 | 2.6 | 3.5 | 3.3 |
| 1 Year or More Below Grade Level | 20 | 46.2 | 33.8 | — | 57.4 | 57.1 | 60.0 | 19.3 | 10.1 | 6.5 | 70.5 | 49.1 | 60.0 | 43.6 | 44.9 | 49.5 | 36.4 | 18.4 | 31.0 | 50.0 | 23.4 | 34.7 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 60.2 | 62.6 | — | 60.3 | 63.0 | 52.0 | 69.8 | 70.3 | 74.2 | 51.5 | 53.3 | 52.0 | 62.6 | 58.2 | 57.6 | 58.5 | 65.0 | 65.0 | 58.3 | 66.0 | 64.7 |
| Median Percentile | 50 | 18.0 | 26.0 | 20.0 | 18.0 | 26.0 | 6.0 | 48.0 | 48.0 | 62.0 | 6.0 | 8.0 | 6.0 | 26.0 | 14.0 | 14.0 | 16.0 | 32.0 | 32.0 | 14.0 | 34.0 | 32.0 |
| Grade Equivalent | 3.75 | 3.0 | 3.2 | 3.0 | 3.0 | 3.2 | 2.3 | 3.7 | 3.7 | 4.1 | 2.3 | 2.4 | 2.3 | 3.2 | 2.8 | 2.8 | 2.9 | 3.3 | 3.3 | 2.8 | 3.4 | 3.3 |
| 1 Year or More Below Grade Level | 12 | 40.4 | 31.7 | — | 35.2 | 20.0 | 53.3 | 17.5 | 10.1 | 7.8 | 61.4 | 64.9 | 53.3 | 38.5 | 42.9 | 49.5 | 45.5 | 26.5 | 41.4 | 44.4 | 25.5 | 36.7 |
| SPELLING | | | | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 64 | 55.8 | 60.7 | — | 50.5 | 53.8 | 50.5 | 65.3 | 65.3 | 66.4 | 47.5 | 54.8 | 50.5 | 57.3 | 59.8 | 55.1 | 61.0 | 64.0 | 64.8 | 52.9 | 66.6 | 66.6 |
| Median Percentile | 50 | 26.0 | 40.0 | 36.0 | 16.0 | 22.0 | 16.0 | [illegible] | 50.0 | 58.0 | 12.0 | 23.0 | 16.0 | 30.0 | 38.0 | 23.0 | 40.0 | 50.0 | 54.0 | 20.0 | 60.0 | 60.0 |
| Grade Equivalent | 3.6 | 2.8 | 3.3 | 3.0 | 2.4 | 2.6 | 2.6 | 3.7 | 3.5 | 3.9 | 2.2 | 2.7 | 2.4 | 2.9 | 3.1 | 2.7 | 3.3 | 3.6 | 3.7 | 2.6 | 4.1 | 4.1 |
| 1 Year or More Below Grade Level | 22 | 46.2 | 32.5 | — | 57.4 | 54.3 | 66.7 | 19.3 | 12.4 | 10.4 | 68.2 | 49.1 | 66.7 | 38.5 | 36.7 | 47.3 | 36.4 | 22.5 | 24.1 | 57.4 | 21.3 | 34.7 |
| LANGUAGE | | | | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70 | 55.5 | 59.3 | — | 56.7 | 56.2 | [illegible] | [illegible] | [illegible] | 65.9 | 52.5 | 54.1 | 53.8 | 55.0 | 57.0 | 54.0 | 52.5 | 61.3 | 61.0 | 55.5 | 63.3 | 60.8 |
| Median Percentile | 50 | 14.0 | 23.0 | 22.0 | 20.0 | 18.0 | [illegible] | [illegible] | [illegible] | [illegible] | 11.0 | 12.0 | 12.0 | 14.0 | 20.0 | 12.0 | 11.0 | 28.0 | 28.0 | 18.0 | 32.0 | 28.0 |
| Grade Equivalent | 4.0 | 2.5 | 2.9 | 2.8 | 2.7 | 2.6 | 2.4 | 3.2 | 3.3 | 3.5 | 2.3 | 2.4 | 2.4 | 2.5 | 2.7 | 2.4 | 2.3 | 3.1 | 3.1 | 2.6 | 3.2 | 3.1 |
| 1 Year or More Below Grade Level | 14 | 72.3 | 56.2 | — | 72.2 | 68.6 | 73.3 | 49.1 | 43.0 | 28.6 | 90.9 | 87.7 | 73.3 | 79.5 | 59.2 | 81.7 | 68.2 | 46.9 | 48.3 | 74.1 | 31.9 | 49.0 |
| BEST MATCHED SITE | | | | | Morgan Comm Sch,DC | | | Great Falls, MT | | | Morgan Comm Sch,DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

Table C2-IIIK(PS)-22

## STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN WITH HEADSTART FOR THE RESPONSIVE EDUCATION MODEL

| | MAT NORM POPU-LATION | SPONSOR'S SITES | | BUFFALO, NY | | DULUTH, MN | | FRESNO, CA | | ST. LOUIS, MO | | SALT LAKE CITY, UT | | TACOMA, WA | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| TOTAL READING | | | | | | | | | | | | | | | |
| Third Grade Median | 61 | 53.1 | 56.8 | 50.1 | 50.4 | 61.7 | 64.1 | 45.4 | 52.4 | 52.5 | 50.6 | 57.5 | 60.8 | 51.5 | 62.8 |
| Median Percentile | 50 | 27 | 38 | 16 | 16 | 54 | 60 | 8 | 22 | 22 | 20 | 40 | 50 | 22 | 58 |
| Grade Equivalent | 3.5 | 2.8 | 3.1 | 2.4 | 2.4 | 3.6 | 3.8 | 2.1 | 2.6 | 2.6 | 2.5 | 3.2 | 3.5 | 2.6 | 3.7 |
| % 1 Year or More Below Grade Level | 20 | 46 | 34 | 57 | 59 | 21 | 10 | 72 | 46 | 41 | 52 | 38 | 18 | 50 | 19 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 60.2 | 62.6 | 60.5 | 63.0 | 69.1 | 70.4 | 52.0 | 53.5 | 63.2 | 57.8 | 58.5 | 64.9 | 57.8 | 66.2 |
| Median Percentile | 50 | 20 | 27 | 18 | 26 | 44 | 48 | 7 | 9 | 26 | 14 | 14 | 32 | 14 | 34 |
| Grade Equivalent | 3.75 | 3.0 | 3.1 | 3.0 | 3.2 | 3.6 | 3.7 | 2.4 | 2.4 | 3.2 | 2.8 | 2.8 | 3.3 | 2.8 | 3.4 |
| % 1 Year or More Below Grade Level | 12 | 41 | 32 | 33 | 17 | 19 | 10 | 62 | 62 | 34 | 48 | 48 | 27 | 48 | 26 |
| SPELLING | | | | | | | | | | | | | | | |
| Third Grade Median | 64 | 55.9 | 60.8 | 51.8 | 54.2 | 64.0 | 65.5 | 47.2 | 54.5 | 58.5 | 59.8 | 61.1 | 64.0 | 52.9 | 66.8 |
| Median Percentile | 50 | 28 | 42 | 18 | 22 | 50 | 58 | 10 | 22 | 32 | 38 | 40 | 50 | 20 | 60 |
| Grade Equivalent | 3.6 | 2.9 | 3.3 | 2.5 | 2.6 | 3.6 | 3.9 | 2.2 | 2.6 | 3.0 | 3.1 | 3.3 | 3.6 | 2.6 | 4.1 |
| % 1 Year or More Below Grade Level | 22 | 45 | 32 | 57 | 52 | 21 | 10 | 69 | 50 | 31 | 42 | 33 | 22 | 56 | 17 |
| LANGUAGE | | | | | | | | | | | | | | | |
| Third Grade Median | 70 | 56.0 | 59.4 | 56.8 | 56.4 | 60.2 | 63.9 | 52.8 | 54.3 | 56.8 | 57.0 | 54.0 | 61.0 | 55.5 | 63.5 |
| Median Percentile | 50 | 18 | 24 | 20 | 18 | 26 | 34 | 11 | 12 | 20 | 20 | 12 | 28 | 18 | 34 |
| Grade Equivalent | 4.0 | 2.6 | 2.9 | 2.7 | 2.6 | 3.0 | 3.3 | 2.4 | 2.4 | 2.7 | 2.7 | 2.4 | 3.1 | 2.6 | 3.3 |
| % 1 Year or More Below Grade Level | 14 | 71 | 56 | 73 | 69 | 51 | 43 | 90 | 86 | 72 | 61 | 67 | 49 | 75 | 31 |

## Table C2-IIIK-23

### MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES USED IN THE ANALYTIC SAMPLE OF THE COHORT III KINDERGARTEN CHILDREN FOR THE RESPONSIVE EDUCATION MODEL

| | SPONSOR'S SITES | | | BUFFALO,NY | | | DULUTH, MN | | | FRESNO,CA | | | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA,WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | | | | | | | | | | | | | | | | |
| Mean | 28.5 | 30.9 | — | 24.7 | 20.5 | 28.3 | 34.3 | 36.4 | 34.3 | 25.3 | 28.7 | 28.3 | 24.5 | 30.3 | 28.2 | 29.1 | 31.2 | 27.6 | 33.3 | 38.2 | 32.2 |
| Standard Deviation | — | — | — | 11.0 | 10.9 | 12.1 | 11.4 | 10.4 | 13.4 | 12.1 | 12.2 | 12.1 | 7.7 | 9.9 | 11.9 | 14.0 | 11.0 | 12.1 | 12.9 | 13.3 | 13.6 |
| HIGHEST OCCUPATION IN HOUSE | | | | | | | | | | | | | | | | | | | | | |
| Mean | 13.7 | 14.2 | — | 14.0 | 14.4 | 13.9 | 14.1 | 14.9 | 15.0 | 12.6 | 13.0 | 13.9 | 13.6 | 13.4 | 13.6 | 13.4 | 15.2 | 14.1 | 14.5 | 14.4 | 15.6 |
| Standard Deviation | — | — | — | 1.9 | 2.4 | 1.9 | 1.9 | 2.0 | 2.1 | 2.1 | 1.9 | 1.9 | 1.9 | 1.8 | 1.7 | 2.0 | 2.3 | 2.2 | 2.6 | 2.2 | 2.6 |
| FAMILY INCOME IN DOLLARS | | | | | | | | | | | | | | | | | | | | | |
| Mean | 4828 | 5963 | — | 5258 | 5604 | 4460 | 5816 | 7853 | 7346 | 4253 | 3936 | 4460 | 4077 | 3590 | 4843 | 4453 | 7561 | 6386 | 5108 | 7231 | 5746 |
| Standard Deviation | — | — | — | 2738 | 2851 | 2318 | 2985 | 2272 | 2548 | 2318 | 2361 | 2318 | 2489 | 2393 | 2589 | 2084 | 2380 | 2761 | 2914 | 2637 | 3113 |
| MISSING INCOME INFORMATION | | | | | | | | | | | | | | | | | | | | | |
| No. Missing | — | — | — | 23 | 11 | 0 | 7 | 2 | 23 | 14 | 18 | 0 | 17 | 18 | 9 | 7 | 5 | 8 | 29 | 9 | 19 |
| Valid Cases | — | — | — | 31 | 24 | 15 | 50 | 77 | 54 | 30 | 39 | 15 | 22 | 31 | 84 | 15 | 44 | 21 | 25 | 38 | 30 |
| ETHNIC MEMBERSHIP/RACE | | | | | | | | | | | | | | | | | | | | | |
| Percent White | 33 | 46 | — | 0 | 0 | 0 | 91 | 94 | 91 | 5 | 11 | 0 | 0 | 0 | 0 | 55 | 90 | 41 | 48 | 81 | 55 |
| Percent Black | 58 | 42 | — | 100 | 100 | 100 | 0 | 0 | 0 | 70 | 49 | 100 | 100 | 100 | 100 | 27 | 0 | 59 | 48 | 2 | 43 |
| SEX Percent Female | 60 | 52 | — | 67 | 51 | 53 | 61 | 44 | 55 | 45 | 65 | 53 | 64 | 55 | 59 | 68 | 43 | 66 | 54 | 53 | 45 |
| ENTRY AGE IN MONTHS | | | | | | | | | | | | | | | | | | | | | |
| Mean | 65.3 | 66.1 | — | 62.7 | 63.1 | 61.6 | 65.5 | 66.3 | 66.4 | 64.7 | 65.7 | 61.6 | 65.5 | 67.0 | 63.3 | 65.1 | 67.3 | 66.8 | 68.1 | 67.1 | 63.3 |
| Standard Deviation | — | — | — | 3.1 | 3.6 | 3.8 | 3.2 | 4.1 | 3.6 | 3.4 | 4.8 | 3.8 | 4.3 | 3.9 | 3.7 | 4.2 | 3.3 | 5.5 | 3.3 | 3.9 | 3.7 |
| FIRST LANGUAGE | | | | | | | | | | | | | | | | | | | | | |
| Percent English | 97 | 99 | — | 100 | 100 | 100 | 100 | 100 | 100 | 82 | 96 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| BEST MATCHED SITE | | | | Morgan Comm Sch,DC | | | Great Falls, MT | | | Morgan Comm Sch,DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

Table C2-IIIK-24

## MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES FOR THE COHORT III KINDERGARTEN CHILDREN IN THE RESPONSIVE EDUCATION MODEL

| | | ALL SITES | | SPONSOR'S SITES | | | BUFFALO, NY | | | DULUTH, MN | | | FRESNO, CA | | | ST. LOUIS, MO | | | SALT LAKE CITY, UT | | | TACOMA, WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| TOTAL READING | Mean | 41.25 | 46.14 | 39.98 | 44.33 | — | 36.19 | 34.69 | 34.13 | 54.33 | 57.52 | 61.96 | 31.27 | 34.84 | 34.13 | 36.77 | 34.71 | 34.76 | 42.23 | 51.20 | 45.34 | 39.09 | 53.04 | 47.51 |
| | Standard Deviation | | | — | — | — | 16.54 | 15.67 | 12.74 | 20.07 | 15.96 | 16.61 | 14.75 | 14.23 | 12.74 | 15.16 | 13.96 | 14.44 | 19.29 | 17.41 | 17.89 | 16.50 | 19.17 | 22.01 |
| TOTAL MATHEMATICS | Mean | 47.77 | 50.84 | 45.79 | 49.06 | — | 46.41 | 48.57 | 38.27 | 60.12 | 62.75 | 67.68 | 37.00 | 34.07 | 38.27 | 46.10 | 43.45 | 40.35 | 44.27 | 52.24 | 48.14 | 40.85 | 53.26 | 51.06 |
| | Standard Deviation | | | — | — | — | 18.01 | 15.45 | 14.03 | 20.02 | 20.14 | 19.63 | 16.55 | 14.53 | 14.03 | 17.50 | 16.05 | 16.62 | 21.82 | 19.40 | 17.39 | 16.74 | 21.07 | 22.98 |
| LANGUAGE | Mean | 16.60 | 18.44 | 15.12 | 18.24 | — | 15.04 | 15.23 | 14.40 | 19.74 | 20.94 | 24.51 | 12.09 | 12.96 | 14.40 | 14.33 | 16.24 | 13.35 | 13.86 | 21.65 | 18.03 | 15.67 | 22.38 | 19.45 |
| | Standard Deviation | | | — | — | — | 6.20 | 5.28 | 6.76 | 8.50 | 8.94 | 9.64 | 5.43 | 5.91 | 6.76 | 7.33 | 7.84 | 6.39 | 7.47 | 9.48 | 6.53 | 7.75 | 9.85 | 10.32 |
| SPELLING | Mean | 17.64 | 20.63 | 15.33 | 19.19 | — | 12.72 | 13.11 | 11.00 | 22.47 | 25.49 | 25.60 | 9.43 | 14.35 | 11.00 | 17.00 | 16.10 | 14.58 | 18.59 | 22.63 | 21.83 | 11.74 | 23.43 | 20.41 |
| | Standard Deviation | | | — | — | — | 12.81 | 12.09 | 11.80 | 11.30 | 10.54 | 9.19 | 10.70 | 12.06 | 11.80 | 12.86 | 11.97 | 13.28 | 12.69 | 11.77 | 11.77 | 10.57 | 11.60 | 14.14 |
| RAVEN'S PROGRESSIVE MAT. | Mean | 18.15 | 18.95 | 18.42 | 18.73 | — | 17.67 | 16.69 | 16.53 | 22.25 | 21.03 | 22.27 | 16.09 | 16.79 | 16.53 | 17.05 | 15.41 | 16.00 | 18.36 | 21.29 | 18.59 | 19.11 | 21.19 | 17.98 |
| | Standard Deviation | | | — | — | — | 4.82 | 4.61 | 4.14 | 3.34 | 3.97 | 3.51 | 5.13 | 4.55 | 4.14 | 4.49 | 4.06 | 4.43 | 3.80 | 3.54 | 3.47 | 4.66 | 3.87 | 4.50 |
| COOPERSMITH'S SELF-EST. | Mean | 35.64 | 36.59 | 36.05 | 37.26 | — | 35.91 | 36.63 | 32.67 | 38.96 | 39.19 | 37.61 | 31.43 | 32.11 | 32.67 | 37.26 | 36.37 | 35.27 | 35.18 | 40.35 | 37.52 | 37.56 | 38.89 | 37.18 |
| | Standard Deviation | | | — | — | — | 7.60 | 6.98 | 8.89 | 8.81 | 7.88 | 7.43 | 7.88 | 6.97 | 8.89 | 6.34 | 6.28 | 6.63 | 7.96 | 6.26 | 6.52 | 7.84 | 7.02 | 9.16 |
| IARS-LOCUS NEGATIVE | Mean | 9.91 | 10.11 | 9.55 | 9.87 | — | 9.19 | 10.66 | 8.47 | 9.98 | 10.67 | 11.00 | 9.68 | 8.89 | 8.47 | 9.51 | 9.73 | 9.34 | 9.68 | 9.63 | 8.66 | 9.26 | 9.62 | 9.65 |
| | Standard Deviation | | | — | — | — | 2.30 | 2.65 | 3.00 | 2.54 | 2.45 | 2.50 | 2.33 | 2.60 | 3.00 | 2.43 | 2.74 | 2.45 | 2.44 | 3.12 | 3.14 | 2.64 | 2.49 | 2.46 |
| IARS-LOCUS POSITIVE | Mean | 12.83 | 13.07 | 12.57 | 13.09 | — | 12.28 | 13.17 | 12.60 | 13.89 | 13.61 | 13.77 | 12.23 | 12.07 | 12.60 | 12.44 | 12.14 | 12.06 | 11.86 | 14.12 | 12.72 | 12.74 | 13.45 | 12.96 |
| | Standard Deviation | | | — | — | — | 2.44 | 2.37 | 2.16 | 1.59 | 1.95 | 2.11 | 2.52 | 2.36 | 2.16 | 2.30 | 2.37 | 2.66 | 2.80 | 1.92 | 3.12 | 2.35 | 1.87 | 2.57 |
| WORD KNOWLEDGE | Mean | 23.30 | 26.29 | 22.46 | 25.55 | — | 19.96 | 19.06 | 19.53 | 31.05 | 33.52 | 34.79 | 17.77 | 19.60 | 19.53 | 20.28 | 19.65 | 19.33 | 23.59 | 30.47 | 26.24 | 22.11 | 31.02 | 27.02 |
| | Standard Deviation | | | — | — | — | 11.23 | 10.32 | 8.06 | 11.47 | 8.93 | 9.22 | 9.51 | 9.20 | 8.06 | 9.39 | 8.69 | 9.59 | 11.40 | 10.13 | 11.06 | 10.22 | 11.33 | 13.27 |
| READING | Mean | 17.95 | 19.85 | 17.52 | 18.78 | — | 16.22 | 15.63 | 14.60 | 23.28 | 24.00 | 27.17 | 13.50 | 15.25 | 14.60 | 16.49 | 15.06 | 15.43 | 18.64 | 20.73 | 19.10 | 16.98 | 22.02 | 20.49 |
| | Standard Deviation | | | — | — | — | 6.06 | 5.86 | 5.45 | 9.20 | 7.93 | 8.38 | 6.12 | 6.18 | 5.45 | 6.64 | 6.18 | 5.82 | 6.89 | 8.01 | 7.46 | 7.04 | 9.02 | 9.53 |
| MATH COMPUTATIONS | Mean | 18.16 | 18.55 | 17.21 | 18.07 | — | 17.07 | 20.43 | 14.87 | 21.95 | 20.46 | 23.43 | 14.48 | 13.19 | 14.87 | 17.77 | 16.18 | 14.97 | 17.41 | 18.90 | 17.66 | 14.59 | 19.23 | 18.88 |
| | Standard Deviation | | | — | — | — | 6.63 | 6.39 | 4.85 | 6.73 | 6.68 | 6.15 | 6.14 | 5.80 | 4.85 | 7.60 | 6.77 | 6.75 | 7.01 | 6.58 | 7.45 | 5.77 | 7.05 | 8.48 |
| MATH CONCEPTS | Mean | 16.41 | 18.04 | 15.84 | 17.51 | — | 16.00 | 15.23 | 14.00 | 21.42 | 23.66 | 24.66 | 12.68 | 12.26 | 14.00 | 15.64 | 15.55 | 14.01 | 14.36 | 19.02 | 17.41 | 14.93 | 19.36 | 18.41 |
| | Standard Deviation | | | — | — | — | 7.54 | 5.76 | 6.72 | 7.56 | 7.47 | 7.59 | 6.91 | 6.13 | 6.72 | 5.99 | 6.16 | 6.45 | 8.37 | 8.03 | 6.74 | 7.75 | 8.10 | 9.13 |
| MATH PROBLEM SOLVING | Mean | 13.20 | 14.25 | 12.74 | 13.48 | — | 13.33 | 12.91 | 9.40 | 16.75 | 18.63 | 19.58 | 9.84 | 8.61 | 9.40 | 12.69 | 11.71 | 11.38 | 12.50 | 14.33 | 13.07 | 11.33 | 14.66 | 13.78 |
| | Standard Deviation | | | — | — | — | 5.47 | 5.73 | 4.47 | 7.64 | 7.38 | 7.51 | 5.12 | 4.99 | 4.47 | 5.90 | 5.49 | 5.29 | 7.70 | 6.72 | 5.44 | 5.83 | 7.45 | 7.40 |
| LANGUAGE PART A | Mean | 7.59 | 8.13 | 7.28 | 8.29 | — | 7.48 | 7.71 | 6.40 | 9.35 | 9.94 | 10.25 | 5.75 | 6.40 | 6.40 | 7.26 | 7.22 | 5.85 | 6.50 | 9.51 | 8.28 | 7.37 | 8.96 | 8.71 |
| | Standard Deviation | | | — | — | — | 3.56 | 2.53 | 3.48 | 2.84 | 2.91 | 2.51 | 3.10 | 3.33 | 3.48 | 3.41 | 3.41 | 3.08 | 3.23 | 3.20 | 2.95 | 3.49 | 3.00 | 3.39 |
| LANGUAGE PART B | Mean | 9.01 | 10.31 | 7.84 | 9.94 | — | 7.56 | 7.51 | 8.00 | 10.39 | 11.00 | 14.26 | 6.34 | 6.56 | 8.00 | 7.08 | 9.02 | 7.51 | 7.36 | 12.14 | 9.76 | 8.30 | 13.43 | 10.73 |
| | Standard Deviation | | | — | — | — | 3.75 | 3.97 | 4.71 | 6.98 | 7.33 | 8.23 | 3.72 | 4.64 | 4.71 | 4.97 | 5.78 | 4.52 | 5.19 | 7.66 | 4.85 | 5.37 | 7.67 | 8.11 |
| BEST MATCH SITE | | | | | | | Morgan Comm Sch,DC | | | Great Falls, MT | | | Morgan Comm Sch,DC | | | Chicago, IL | | | Richmond, VA | | | Providence, RI | | |

## Table C2-IIIK-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K LOCAL ANALYSES FOR THE RESPONSIVE EDUCATION MODEL

CODE

FKW = Fall Kindergarten WRAT
NOFKW = Missing WRAT
SEX = Sex
LANG = First Language
NOINC = Missing Income
OCCUP = Occupation
ENTAGE = Entry Age
INCOME = Income
ETH2 = White vs. Other
ETH1 = White vs. Black
NOOCCUP = Missing Occupation

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .74963160 | .62226306E-01 |
| NOFKW | 32.505668 | 16.510296 |
| SEX | 1.3895099 | 1.4022678 |
| LANG | 4.6004087 | 6.1536747 |
| NOINC | -2.6360078 | 3.2429319 |
| OCCUP | .43900057 | .33148497 |
| ENTAGE | -.32460276 | .18239974 |
| INCOME | .36148935E-03 | .25922979E-03 |
| ETH2 | .12717665 | 1.7034198 |
| ETH1 | .60873755 | 1.8172161 |
| NOOCCUP | -.36926737 | 3.1832508 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .77424946 | .70887941E-01 |
| NOFKW | 23.887400 | 18.808458 |
| SEX | .12898074 | 1.5974574 |
| LANG | 3.6225103 | 7.0102398 |
| NOINC | -3.7327371 | 3.6943340 |
| OCCUP | .36170379 | .37762625 |
| ENTAGE | -.16824868 | .20778900 |
| INCOME | .49027144E-03 | .29531346E-03 |
| ETH2 | -1.7565848 | 1.9405285 |
| ETH1 | .33579491 | 2.0701648 |
| NOOCCUP | 2.9216699 | 3.6263456 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .44260230 | .45930103E-01 |
| NOFKW | 16.904440 | 12.186479 |
| SEX | 2.9175005 | 1.0350334 |
| LANG | 3.8365084 | 4.5421130 |
| NOINC | -2.0948460 | 2.3936532 |
| OCCUP | .13622716 | .24467367 |
| ENTAGE | -.28569975 | .13463179 |
| INCOME | .26282555E-03 | .19134112E-03 |
| ETH2 | .51261381 | 1.2573178 |
| ETH1 | -1.3621965 | 1.3413125 |
| NOOCCUP | .77483757 | 2.3496017 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .30135387 | .30718166E-01 |
| NOFKW | 22.459905 | 8.1503476 |
| SEX | .20247896E-01 | .69223288 |
| LANG | 1.9269729 | 3.0377764 |
| NOINC | .73597007 | 1.6008812 |
| OCCUP | .11860873 | .16363835 |
| ENTAGE | -.87897962E-01 | .90042073E-01 |
| INCOME | .11776839E-03 | .12796941E-03 |
| ETH2 | -.33607590 | .84089728 |
| ETH1 | 1.1944927 | .89707312 |
| NOOCCUP | -1.0909195 | 1.5714194 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .15116099 | .17151893E-01 |
| NOFKW | 3.4298310 | 4.5508539 |
| SEX | -1.1647145 | .38651734 |
| LANG | 1.3691985 | 1.6961824 |
| NOINC | -.29138337 | .89387307 |
| OCCUP | .23272396E-01 | .91369629E-01 |
| ENTAGE | .16230824E-01 | .50276176E-01 |
| INCOME | -.31102106E-04 | .71453406E-04 |
| ETH2 | -1.2526951 | .46952607 |
| ETH1 | 1.3785489 | .50089259 |
| NOOCCUP | .58769526 | .87742272 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .15352959 | .32317020E-01 |
| NOFKW | -1.6714414 | 8.5745659 |
| SEX | -.24211015 | .72826298 |
| LANG | -2.1805970 | 3.1958900 |
| NOINC | 1.6399484 | 1.6842056 |
| OCCUP | -.16424010 | .17215559 |
| ENTAGE | -.99983129E-01 | .94728683E-01 |
| INCOME | .25273851E-03 | .13463011E-03 |
| ETH2 | .25493198 | .88466524 |
| ETH1 | -1.1291450 | .94376498 |
| NOOCCUP | -1.9974654 | 1.6532104 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .43833571E-01 | .96069821E-02 |
| NOFKW | 2.4875805 | 2.5489882 |
| SEX | -.19012960 | .21649303 |
| LANG | .56556762 | .95005276 |
| NOINC | -.21403919 | .50066909 |
| OCCUP | .69388183E-01 | .51177232E-01 |
| ENTAGE | -.19626989E-01 | .28160293E-01 |
| INCOME | .17879183E-04 | .40021915E-04 |
| ETH2 | -.58944494 | .26298722 |
| ETH1 | .33017570 | .28055598 |
| NOOCCUP | -.75229274E-01 | .49145506 |

## Table C2-IIIK-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .25209300E-01 | .11465792E-01 |
| NOFKW | 3.8826359 | 3.0421798 |
| SEX | -.24328494E-01 | .25838124 |
| LANG | 1.4632973 | 1.1338734 |
| NOINC | -.43343638 | .59754119 |
| OCCUP | -.42855906E-02 | .61079273E-01 |
| ENTAGE | .85265652E-02 | .33608895E-01 |
| INCOME | .28223292E-04 | .47765566E-04 |
| ETH2 | -.25517670 | .31387137 |
| ETH1 | .26742629 | .33483943 |
| NOOCCUP | .70266711E-01 | .58654437 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .42735131 | .38783575E-01 |
| NOFKW | 16.926631 | 10.290315 |
| SEX | .86399342 | .87398660 |
| LANG | 4.2577557 | 3.8353796 |
| NOINC | -1.0213153 | 2.0212110 |
| OCCUP | .20721759 | .20660349 |
| ENTAGE | -.14210885 | .11368366 |
| INCOME | .23361421E-03 | .16156926E-03 |
| ETH2 | .16790417 | 1.0616846 |
| ETH1 | .52048142 | 1.1326100 |
| NOOCCUP | -1.1196165 | 1.9840137 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .32228029 | .28136133E-01 |
| NOFKW | 15.579036 | 7.4652654 |
| SEX | .52551647 | .63404685 |
| LANG | .34265290 | 2.7824344 |
| NOINC | -1.6146925 | 1.4663182 |
| OCCUP | .23178297 | .14988364 |
| ENTAGE | -.18249391 | .82473535E-01 |
| INCOME | .12787513E-03 | .11721287E-03 |
| ETH2 | -.40727522E-01 | .77021518 |
| ETH1 | .88256135E-01 | .82166913 |
| NOOCCUP | .75034914 | 1.4393329 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .30632339 | .28075925E-01 |
| NOFKW | 13.414529 | 7.4492906 |
| SEX | -.60131298 | .63269006 |
| LANG | 3.1024946 | 2.7764803 |
| NOINC | -.73891303 | 1.4631804 |
| OCCUP | .10065665 | .14956291 |
| ENTAGE | -.11155894 | .82297051E-01 |
| INCOME | .19814272E-03 | .11696205E-03 |
| ETH2 | -1.0269631 | .76856701 |
| ETH1 | .46430862 | .81991085 |
| NOOCCUP | .63451722 | 1.4362529 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .22743714 | .26930304E-01 |
| NOFKW | 3.9648538 | 7.1453268 |
| SEX | .40918981 | .60687352 |
| LANG | -.95001863 | 2.6631877 |
| NOINC | -2.2972358 | 1.4034762 |
| OCCUP | .94405278E-01 | .14346008 |
| ENTAGE | .11883562E-01 | .78938969E-01 |
| INCOME | .17514789E-03 | .11218948E-03 |
| ETH2 | -.50862267 | .73720609 |
| ETH1 | -.13566681 | .78645488 |
| NOOCCUP | 2.0025892 | 1.3776474 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .24048894 | .25619499E-01 |
| NOFKW | 6.5080168 | 6.7975352 |
| SEX | .32110391 | .57733456 |
| LANG | 1.4700343 | 2.5335597 |
| NOINC | -.69658830 | 1.3351634 |
| OCCUP | .16664187 | .13647731 |
| ENTAGE | -.68573311E-01 | .75096694E-01 |
| INCOME | .11698083E-03 | .10672877E-03 |
| ETH2 | -.22099905 | .70132333 |
| ETH1 | .71551049E-02 | .74817498 |
| NOOCCUP | .28456344 | 1.3105918 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .10471781 | .13094260E-01 |
| NOFKW | 3.3952170 | 3.4742558 |
| SEX | .23574630 | .29507872 |
| LANG | 1.6910617 | 1.2949156 |
| NOINC | -.17614141E-01 | .68240902 |
| OCCUP | .75085282E-01 | .69754265E-01 |
| ENTAGE | -.45947339E-01 | .38382313E-01 |
| INCOME | .55608854E-04 | .54549634E-04 |
| ETH2 | -.91205915E-01 | .35845002 |
| ETH1 | .10595498 | .38239615 |
| NOOCCUP | .28791796 | .66985034 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .19663606 | .24259025E-01 |
| NOFKW | 19.064688 | 6.4365653 |
| SEX | -.21549840 | .54667633 |
| LANG | .23591119 | 2.3990199 |
| NOINC | .75358421 | 1.2642622 |
| OCCUP | .43523449E-01 | .12922994 |
| ENTAGE | -.41950624E-01 | .71108830E-01 |
| INCOME | .62159531E-04 | .10106115E-03 |
| ETH2 | -.24486998 | .66408092 |
| ETH1 | 1.0885377 | .70844460 |
| NOOCCUP | -1.3788375 | 1.2409954 |

**COHORT III-K**
**Preschool Adjusted Study**

Table C2-IIIK(PS)-25

REGRESSION COEFFICIENTS FOR THE COVARIATES
INCLUDED IN THE COHORT III-K PRESCHOOL ADJUSTED LOCAL ANALYSES
FOR THE RESPONSIVE EDUCATION MODEL

CODE

SEX = Sex
ENTAGE = Entry Age
NOINC = Missing Income
OCCUP = Occupation
INCOME = Income
NOOCCUP = Missing Occupation
ETH2 = White vs. Other
**ETH1 = White vs. Black**
LANG = First Language
PSHS = Head Start
PSSOME = Some Preschool
FKW = Fall Kindergarten WRAT
FKWSOME = FKW x Some Preschool
FKWHS = FKW x Head Start

MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .39361612 | 1.4030405 |
| ENTAGE | -.41425273 | .18213302 |
| NOINC | -3.2257957 | 3.2371260 |
| OCCUP | .55164707 | .33717861 |
| INCOME | .39402212E-03 | .27019550E-03 |
| NOOCCUP | -.47301765 | 3.1193804 |
| ETH2 | .35021981E-01 | 1.7227736 |
| ETH1 | .71470173 | 1.8451170 |
| LANG | 4.8102595 | 5.9335852 |
| PSHS | 1.6269026 | 4.8044411 |
| PSSOME | 3.3577008 | 4.6322297 |
| FKW | .86073868 | .92137974E-01 |
| FKWSOME | -.10896829 | .13267961 |
| FKWHS | -.82573038E-01 | .14042116 |

MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.2980166 | 1.5921301 |
| ENTAGE | -.22150623 | .20667931 |
| NOINC | -5.4218917 | 3.6733976 |
| OCCUP | .42933300 | .38262060 |
| INCOME | .49756844E-03 | .30661008E-03 |
| NOOCCUP | 3.8262648 | 3.5397832 |
| ETH2 | -1.3581062 | 1.9549539 |
| ETH1 | .35650716 | 2.0937857 |
| LANG | 3.1810440 | 6.7332620 |
| PSHS | 2.4941045 | 5.4519417 |
| PSSOME | 2.2225659 | 5.2565211 |
| FKW | .88986376 | .10455553 |
| FKWSOME | -.22743927E-01 | .15056100 |
| FKWHS | -.65930457E-01 | .15934589 |

MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 1.9691153 | 1.0347173 |
| ENTAGE | -.34242617 | .13431985 |
| NOINC | -2.5691435 | 2.3873226 |
| OCCUP | .14932909 | .24866320 |
| INCOME | .28219693E-03 | .19926435E-03 |
| NOOCCUP | 1.2274593 | 2.3004873 |
| ETH2 | .70956359 | 1.2705147 |
| ETH1 | -1.0564981 | 1.3607400 |
| LANG | 3.9888887 | 4.3759131 |
| PSHS | -.10508149 | 3.5431895 |
| PSSOME | -1.5580060 | 3.4161866 |
| FKW | .46737219 | .67950110E-01 |
| FKWSOME | .53334652E-01 | .97848840E-01 |
| FKWHS | -.11901347E-03 | .10355810 |

MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.57905508 | .69540818 |
| ENTAGE | -.10358366 | .90273030E-01 |
| NOINC | .60160577 | 1.6044611 |
| OCCUP | .15183069 | .16712045 |
| INCOME | .14527631E-03 | .13392069E-03 |
| NOOCCUP | -.60850239 | 1.5461012 |
| ETH2 | -.29524002 | .85388184 |
| ETH1 | 1.2104276 | .91452059 |
| LANG | 1.8554252 | 2.9409440 |
| PSHS | 2.5589992 | 2.3812909 |
| PSSOME | 2.0540464 | 2.2959354 |
| FKW | .35276517 | .45667605E-01 |
| FKWSOME | -.30941119E-01 | .65761809E-01 |
| FKWHS | -.81875861E-01 | .69598860E-01 |

Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.1220230 | .38611139 |
| ENTAGE | -.38836085E-02 | .50122311E-01 |
| NOINC | -.79612500 | .89084471 |
| OCCUP | .17923655E-01 | .92790266E-01 |
| INCOME | -.35408874E-04 | .74356768E-04 |
| NOOCCUP | .72200521 | .85844157 |
| ETH2 | -1.1460860 | .47410071 |
| ETH1 | 1.0181170 | .50776915 |
| LANG | .61818524 | 1.6329000 |
| PSHS | -1.2161491 | 1.3221638 |
| PSSOME | -2.3562805 | 1.2747719 |
| FKW | .14887104 | .25356019E-01 |
| FKWSOME | .40831194E-01 | .30512921E-01 |
| FKWHS | .58136020E-02 | .38643366E-01 |

Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.47373822 | .74867654 |
| ENTAGE | -.10590767 | .97188011E-01 |
| NOINC | 1.2987309 | 1.7273630 |
| OCCUP | -.20277066 | .17992190 |
| INCOME | .26903643E-03 | .14417903E-03 |
| NOOCCUP | -2.4581310 | 1.6645328 |
| ETH2 | .41207693 | .91928931 |
| ETH1 | -1.5538432 | .98457299 |
| LANG | -3.1966663 | 3.1662268 |
| PSHS | .47171196 | 2.5636981 |
| PSSOME | -1.1818034 | 2.4718043 |
| FKW | .17232677 | .49165750E-01 |
| FKWSOME | .31476649E-01 | .70799173E-01 |
| FKWHS | -.33368197E-01 | .74930143E-01 |

IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.29647511 | .21782293 |
| ENTAGE | -.15906985E-01 | .28276266E-01 |
| NOINC | -.18148101 | .50256586 |
| OCCUP | .66053455E-01 | .52347193E-01 |
| INCOME | .14555039E-04 | .41948022E-04 |
| NOOCCUP | -.12980304 | .48428579 |
| ETH2 | -.41003272 | .26746169 |
| ETH1 | .21128869 | .28645558 |
| LANG | .32926902 | .92119287 |
| PSHS | -1.0037513 | .74589253 |
| PSSOME | -.65386335 | .71915659 |
| FKW | .30588906E-01 | .14304479E-01 |
| FKWSOME | .27400560E-01 | .20598503E-01 |
| FKWHS | .29892650E-01 | .21800474E-01 |

Table C2-IIIK(PS)-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .23215536E-01 | .26401944 |
| ENTAGE | .90457837E-02 | .34273178E-01 |
| NOINC | -.10744862 | .60915147 |
| OCCUP | -.76279215E-02 | .63449136E-01 |
| INCOME | .45742692E-04 | .50844479E-04 |
| NOOCCUP | .15993690 | .58699451 |
| ETH2 | -.21904719 | .32418573 |
| ETH1 | .25233517 | .34720791 |
| LANG | 1.5306727 | 1.1165621 |
| PSHS | .43767059 | .90408356 |
| PSSOME | .61528245 | .87167738 |
| FKW | .35637002E-01 | .17338214E-01 |
| FKWSOME | -.13044790E-01 | .24967202E-01 |
| FKWHS | -.91123722E-02 | .26423981E-01 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .22005587 | .87194029 |
| ENTAGE | -.21112599 | .11318926 |
| NOINC | -1.4208879 | 2.0117598 |
| OCCUP | .27550421 | .20954463 |
| INCOME | .25737541E-03 | .16791699E-03 |
| NOOCCUP | -.95034327 | 1.9385851 |
| ETH2 | .30770792 | 1.0706431 |
| ETH1 | .68242185 | 1.1466752 |
| LANG | 4.5486058 | 3.6875143 |
| PSHS | .49307584 | 2.9857910 |
| PSSOME | .66476668E-01 | 2.8787676 |
| FKW | .47160109 | .57260507E-01 |
| FKWSOME | -.18785683E-01 | .82455704E-01 |
| FKWHS | -.27577507E-01 | .87266805E-01 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .17356025 | .64191481 |
| ENTAGE | -.20312674 | .83328940E-01 |
| NOINC | -1.8049078 | 1.4810400 |
| OCCUP | .27614286 | .15426492 |
| INCOME | .13664671E-03 | .12361902E-03 |
| NOOCCUP | .47732562 | 1.4271694 |
| ETH2 | -.27268594 | .78819809 |
| ETH1 | .32279876E-01 | .84417228 |
| LANG | .26165376 | 2.7147157 |
| PSHS | 1.1338267 | 2.1981132 |
| PSSOME | 3.2912241 | 2.1193235 |
| FKW | .38913759 | .42154684E-01 |
| FKWSOME | -.90182607E-01 | .60703167E-01 |
| FKWHS | -.54995531E-01 | .64245058E-01 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.0731224 | .63272659 |
| ENTAGE | -.13638728 | .82136190E-01 |
| NOINC | -1.5825155 | 1.4598407 |
| OCCUP | .13049562 | .15205681 |
| INCOME | .18426851E-03 | .12184956E-03 |
| NOOCCUP | .69038381 | 1.4067412 |
| ETH2 | -.96908880 | .77691601 |
| ETH1 | .36589914 | .83208900 |
| LANG | 2.9948799 | 2.6758579 |
| PSHS | .67920261 | 2.1666499 |
| PSSOME | .40228866 | 2.0889880 |
| FKW | .35366448 | .41551292E-01 |
| FKWSOME | -.11251616E-01 | .59834276E-01 |
| FKWHS | -.48670497E-01 | .63325470E-01 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.13967518 | .60639085 |
| ENTAGE | -.42886329E-02 | .78717466E-01 |
| NOINC | -2.7291226 | 1.3990783 |
| OCCUP | .99282025E-01 | .14572781 |
| INCOME | .17933493E-03 | .11677786E-03 |
| NOOCCUP | 2.5998281 | 1.3481889 |
| ETH2 | -.28957648 | .74457873 |
| ETH1 | -.10265132 | .79745527 |
| LANG | -1.2251588 | 2.5644817 |
| PSHS | 1.0671414 | 2.0764683 |
| PSSOME | -.19966404 | 2.0020389 |
| FKW | .24706886 | .39821818E-01 |
| FKWSOME | .35159584E-01 | .57343817E-01 |
| FKWHS | -.15097882E-01 | .60689697E-01 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.85219015E-01 | .58101047 |
| ENTAGE | -.80830311E-01 | .75422761E-01 |
| NOINC | -1.1102536 | 1.3405202 |
| OCCUP | .19955535 | .13962840 |
| INCOME | .13396510E-03 | .11189015E-03 |
| NOOCCUP | .53605289 | 1.2917608 |
| ETH2 | -.99440876E-01 | .71341452 |
| ETH1 | .93259343E-01 | .76407793 |
| LANG | 1.4113229 | 2.4571458 |
| PSHS | .74776048 | 1.9895581 |
| PSSOME | 2.0199413 | 1.9182439 |
| FKW | .28913042 | .38155083E-01 |
| FKWSOME | -.46651895E-01 | .54943702E-01 |
| FKWHS | -.21620790E-02 | .58149541E-01 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.86262492E-01 | .29517337 |
| ENTAGE | -.46909263E-01 | .38317365E-01 |
| NOINC | -.19469527 | .68103049 |
| OCCUP | .94761100E-01 | .70936045E-01 |
| INCOME | .64114793E-04 | .56844056E-04 |
| NOOCCUP | .39150496 | .65625903 |
| ETH2 | -.24732698E-02 | .36243919 |
| ETH1 | -.93419487E-01 | .38817795 |
| LANG | 1.5009819 | 1.2483149 |
| PSHS | -.22216498E-01 | 1.0107642 |
| PSSOME | -1.2369348 | .97453409 |
| FKW | .10707276 | .19384099E-01 |
| FKWSOME | .27669026E-01 | .27913296E-01 |
| FKWHS | -.36881257E-02 | .29541974E-01 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.49279258 | .55610880 |
| ENTAGE | -.56674402E-01 | .72190198E-01 |
| NOINC | .79630104 | 1.2830665 |
| OCCUP | .57077591E-01 | .13364403 |
| INCOME | .81161515E-04 | .10709462E-03 |
| NOOCCUP | -1.0060073 | 1.2363969 |
| ETH2 | -.29276673 | .68283811 |
| ETH1 | 1.3038471 | .73133012 |
| LANG | .35444330 | 2.3518344 |
| PSHS | 2.5812157 | 1.9042871 |
| PSSOME | 3.2909812 | 1.8360294 |
| FKW | .24569241 | .36519785E-01 |
| FKWSOME | -.58610144E-01 | .52588856E-01 |
| FKWHS | -.78187736E-01 | .55657296E-01 |

## Table C2-IIIK(PS)-26

## TREATMENT REGRESSION COEFFICIENTS AND STANDARD ERRORS BY OUTCOME FOR HEAD START STUDIES OF COHORT III-K SITES IN THE RESPONSIVE EDUCATION MODEL

| | Buffalo, NY | | Duluth, MN | | Fresno, CA | | St. Louis, MO | | Salt Lake City, UT | | Taccma, WA | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local |
| Word Knowledge b | -1.72 | -.83 | -2.59 | -1.06 | .70 | .37 | 6.58** | 5.76* | -4.60 | -4.05 | -4.04** | -5.87** |
| Standard Error | 1.34 | 2.24 | 1.32 | 1.77 | 1.14 | 2.19 | 1.51 | 2.48 | 2.35 | 2.70 | 1.35 | 2.28 |
| Spelling b | -3.30* | -2.80 | -4.86** | -2.44 | -2.32 | -3.29 | 7.23** | 6.46* | -1.73 | -2.69 | -4.44* | -9.82** |
| Standard Error | 1.64 | 2.66 | 1.24 | 2.10 | 1.31 | 2.60 | 2.06 | 2.94 | 2.30 | 3.21 | 1.65 | 2.71 |
| Language b | -1.59* | -1.52 | -1.28 | -.19 | 1.40 | -.08 | 2.66* | 1.85 | -4.80** | -5.34* | -2.61* | -4.04* |
| Standard Error | .67 | 1.78 | 1.09 | 1.41 | .96 | 1.75 | 1.20 | 1.98 | 1.35 | 2.16 | 1.03 | 1.82 |
| Math Computations b | -5.39** | -5.35** | .75 | 2.23 | 2.00** | 1.16 | 5.18** | 5.09** | .85 | -.45 | 1.40 | -3.93* |
| Standard Error | .81 | 1.56 | .86 | 1.23 | .68 | 1.52 | 1.40 | 1.73 | 1.31 | 1.88 | 1.25 | 1.59 |
| Raven's b | -.01 | .01 | 1.42** | 2.05** | .02 | .31 | 1.73* | 2.01 | -.75 | -1.48 | -.68 | -.42 |
| Standard Error | .58 | .99 | .41 | .79 | .71 | .97 | .78 | 1.10 | .58 | 1.20 | .65 | 1.01 |
| Reading b | -.92 | -.68 | -1.19 | .77 | .07 | -.93 | 4.91** | 5.19** | 2.57 | .06 | .01 | -2.34 |
| Standard Error | .70 | 1.65 | 1.17 | 1.31 | .81 | 1.61 | 1.14 | 1.83 | 1.79 | 1.99 | 1.14 | 1.68 |
| Math Concepts b | -.37 | .02 | -2.50** | -.74 | 2.31* | 2.03 | 4.92** | 4.38* | -1.19 | -2.67 | .29 | -1.77 |
| Standard Error | .89 | 1.62 | .87 | 1.29 | .94 | 1.59 | 1.04 | 1.80 | 1.66 | 1.96 | 1.06 | 1.66 |
| Math Problem Solving b | -1.30 | -.94 | -2.75** | -1.47 | 1.98** | 1.86 | 4.27** | 4.63** | 2.83 | -1.22 | .55 | -1.82 |
| Standard Error | .72 | 1.49 | .89 | 1.18 | .68 | 1.46 | 1.07 | 1.65 | 1.55 | 1.80 | .90 | 1.52 |
| Coopersmith b | -1.75 | -.94 | 1.39 | .74 | -.14 | -.48 | 1.12 | .94 | -3.33 | -4.84* | .62 | -1.46 |
| Standard Error | 1.08 | 1.92 | 1.23 | 1.52 | 1.33 | 1.88 | 1.19 | 2.13 | 1.76 | 2.32 | 1.18 | 1.96 |
| IARS (-) b | -2.09** | -1.85** | -.78* | -.48 | .25 | .96 | .71 | .06 | -.33 | .20 | -.07 | -.11 |
| Standard Error | .34 | .68 | .38 | .54 | .33 | .66 | .42 | .75 | .51 | .82 | .35 | .69 |
| IARS (+) b | -1.45** | -1.07 | .89** | .55 | .37 | .38 | 1.04* | 1.06 | -1.94** | -1.93** | -1.14** | -.21 |
| Standard Error | .34 | .56 | .24 | .44 | .40 | .55 | .39 | .62 | .57 | .68 | .36 | .57 |
| Total Reading b | -2.64 | -1.50 | -3.77 | -.29 | .77 | -.56 | 11.49** | 10.95** | -2.04 | -3.99 | -4.03 | -8.21* |
| Standard Error | 1.92 | 3.60 | 2.40 | 2.85 | 1.78 | 3.53 | 2.43 | 3.99 | 3.89 | 4.35 | 2.37 | 3.67 |
| Total Math b | -7.06** | -6.26 | -4.50 | .03 | 6.29** | 5.05 | 14.37** | 14.09** | 2.49 | -4.34 | 2.25 | -7.52 |
| Standard Error | 2.08 | 4.09 | 2.32 | 3.24 | 1.93 | 4.00 | 3.11 | 4.53 | 4.17 | 4.94 | 2.82 | 4.17 |
| Language Part A b | -.84* | -7.67 | -.67 | -.24 | .15 | -.09 | 2.20* | 1.61 | -2.89** | -2.43** | .05 | -1.14 |
| Standard Error | .41 | .76 | .37 | .60 | .45 | .74 | .60 | .84 | .69 | .92 | .49 | .77 |
| Language Part B b | -.75 | -.75 | -.62 | .05 | 1.25 | .01 | .46 | .24 | -1.91* | -2.91 | -2.66** | -2.90* |
| Standard Error | .53 | 1.43 | .92 | 1.13 | .73 | 1.40 | .83 | 1.58 | .87 | 1.73 | .76 | 1.46 |

* $p < .05$

** $p < .01$

377

Table C2-IIIK(PS)-27

## BACKGROUND VARIABLES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR RESPONSIVE EDUCATION MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 124 | 72 | 45 | 241 | 49 | 78 | 150 | 277 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 28.52 | 26.56 | 33.64 | 28.89 | 31.08 | 31.23 | 33.15 | 32.25 |
| STANDARD DEVIATION | 11.24 | 13.43 | 12.66 | 12.39 | 10.48 | 12.50 | 12.55 | 12.19 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.55 | 13.47 | 14.65 | 13.71 | 13.38 | 14.64 | 14.60 | 14.38 |
| STANDARD DEVIATION | 2.04 | 2.27 | 1.67 | 2.10 | 1.75 | 2.39 | 2.17 | 2.21 |
| NUMBER | 83 | 51 | 26 | 160 | 47 | 64 | 129 | 240 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4111.99 | 5466.49 | 6549.96 | 4958.94 | 4812.44 | 5646.85 | 7303.60 | 6369.22 |
| STANDARD DEVIATION | 2334.97 | 2958.99 | 2359.31 | 2715.37 | 2567.31 | 3101.85 | 2648.79 | 2942.35 |
| MEDIAN | 3230.00 | 4633.67 | 6899.50 | 4400.00 | 4366.83 | 5799.50 | 8066.33 | 6828.43 |
| NUMBER | 83 | 57 | 26 | 166 | 48 | 66 | 131 | 245 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 6.02 | 17.54 | 3.85 | 9.64 | 6.25 | 12.12 | 22.14 | 16.33 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 37.10 | 13.89 | 68.89 | 36.10 | 38.78 | 28.21 | 70.67 | 53.07 |
| PERCENT BLACK | 56.45 | 76.39 | 26.67 | 56.85 | 51.02 | 57.69 | 14.00 | 32.85 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 62.10 | 54.17 | 55.56 | 58.51 | 55.10 | 55.13 | 46.67 | 50.54 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 65.95 | 63.81 | 65.55 | 65.24 | 66.38 | 65.77 | 66.31 | 66.17 |
| STANDARD DEVIATION | 3.98 | 3.50 | 3.39 | 3.84 | 3.95 | 3.98 | 4.36 | 4.18 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 99.19 | 93.06 | 95.56 | 96.68 | 97.96 | 98.72 | 100.00 | 99.28 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.40 | 11.63 | 12.30 | 11.63 | 11.61 | 12.14 | 12.21 | 12.07 |
| STANDARD DEVIATION | 2.47 | 2.55 | 1.95 | 2.43 | 2.34 | 2.64 | 2.18 | 2.35 |
| NUMBER | 81 | 55 | 27 | 163 | 47 | 66 | 128 | 241 |
| PERCENT HS GRAD | 46.91 | 50.91 | 74.07 | 52.76 | 55.32 | 54.55 | 67.97 | 61.83 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 46.51 | 39.66 | 14.81 | 39.18 | 43.75 | 29.85 | 14.29 | 24.19 |
| NUMBER | 86 | 58 | 27 | 171 | 48 | 67 | 133 | 248 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 51.45 | 100.00 | 0.00 | 0.00 | 17.69 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 29.88 | 0.00 | 100.00 | 0.00 | 28.16 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 18.67 | 0.00 | 0.00 | 100.00 | 54.15 |

## Table C2-IIIK(PS)-28

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR RESPONSIVE EDUCATION MODEL IN BUFFALO, NY

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 15 | 28 | 8 | 51 | 6 | 18 | 5 | 29 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 24.67 | 23.39 | 28.75 | 24.61 | 20.17 | 22.11 | 16.80 | 20.79 |
| STANDARD DEVIATION | 9.54 | 11.59 | 12.69 | 11.14 | 9.83 | 8.69 | 21.32 | 11.49 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.25 | 14.20 | 15.00 | 13.92 | 14.20 | 14.40 | 15.00 | 14.43 |
| STANDARD DEVIATION | 1.39 | 2.14 | 0.00 | 1.91 | 2.77 | 2.44 | 1.73 | 2.35 |
| NUMBER | 8 | 15 | 1 | 24 | 5 | 15 | 3 | 23 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4588.89 | 5594.58 | 2500.00 | 5175.76 | 6200.00 | 6039.87 | 3225.00 | 5604.08 |
| STANDARD DEVIATION | 1853.68 | 3115.40 | 0.00 | 2776.07 | 1414.21 | 3143.25 | 2107.72 | 2850.72 |
| MEDIAN | 4933.33 | 4700.00 | 2500.00 | 4749.75 | 5700.00 | 6800.00 | 2250.00 | 5616.67 |
| NUMBER | 9 | 19 | 1 | 29 | 5 | 15 | 4 | 24 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 15.79 | 0.00 | 10.34 | 0.00 | 13.33 | 0.00 | 8.33 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT BLACK | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 73.33 | 60.71 | 75.00 | 66.67 | 50.00 | 44.44 | 60.00 | 48.28 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.04 | 62.02 | 64.56 | 62.72 | 63.58 | 63.12 | 61.47 | 62.93 |
| STANDARD DEVIATION | 2.55 | 3.15 | 2.96 | 3.04 | 3.51 | 3.62 | 4.22 | 3.63 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.32 | 12.34 | 13.00 | 12.36 | 13.00 | 12.37 | 10.71 | 12.19 |
| STANDARD DEVIATION | 1.02 | 1.52 | 0.00 | 1.34 | 0.00 | 2.46 | 2.08 | 2.23 |
| NUMBER | 9 | 19 | 1 | 29 | 4 | 15 | 4 | 23 |
| PERCENT HS GRAD | 66.67 | 52.63 | 100.00 | 58.62 | 100.00 | 46.67 | 25.00 | 52.17 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 44.44 | 45.00 | 100.00 | 46.67 | 20.00 | 25.00 | 50.00 | 28.00 |
| NUMBER | 9 | 20 | 1 | 30 | 5 | 16 | 4 | 25 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 29.41 | 100.00 | 0.00 | 0.00 | 20.69 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 54.90 | 0.00 | 100.00 | 0.00 | 62.07 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 15.69 | 0.00 | 0.00 | 100.00 | 17.24 |

## Table C2-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR RESPONSIVE EDUCATION MODEL IN DULUTH, MN

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 27 | 4 | 22 | 53 | 11 | 9 | 56 | 76 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 33.52 | 43.75 | 33.45 | 34.26 | 36.45 | 44.67 | 34.93 | 36.30 |
| STANDARD DEVIATION | 10.82 | 12.45 | 11.75 | 11.43 | 7.75 | 10.98 | 10.05 | 10.24 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.35 | 15.50 | 14.50 | 14.02 | 14.30 | 16.78 | 14.72 | 14.92 |
| STANDARD DEVIATION | 2.04 | 2.65 | 1.50 | 1.97 | 1.64 | 1.56 | 2.00 | 2.02 |
| NUMBER | 23 | 4 | 20 | 47 | 10 | 9 | 54 | 73 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4325.96 | 7599.50 | 7047.32 | 5734.65 | 5954.36 | 8244.33 | 8339.73 | 7978.43 |
| STANDARD DEVIATION | 2856.34 | 3216.13 | 2211.35 | 2947.06 | 2884.29 | 1263.86 | 1910.90 | 2162.43 |
| MEDIAN | 3150.00 | 8599.50 | 7925.37 | 5099.50 | 5150.00 | 8633.67 | 8779.60 | 8662.59 |
| NUMBER | 23 | 4 | 19 | 46 | 11 | 9 | 55 | 75 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 13.04 | 50.00 | 5.26 | 13.04 | 18.18 | 11.11 | 27.27 | 24.00 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 88.89 | 100.00 | 100.00 | 94.34 | 90.91 | 100.00 | 92.86 | 93.42 |
| PERCENT BLACK | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 55.56 | 50.00 | 63.64 | 58.49 | 45.45 | 44.44 | 44.64 | 44.74 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 65.52 | 65.65 | 65.36 | 65.47 | 66.45 | 65.53 | 66.26 | 66.20 |
| STANDARD DEVIATION | 3.37 | 2.21 | 3.46 | 3.29 | 3.80 | 2.83 | 4.41 | 4.14 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.90 | 12.49 | 12.69 | 12.28 | 12.25 | 12.54 | 12.75 | 12.65 |
| STANDARD DEVIATION | 1.55 | 1.02 | 1.00 | 1.34 | 1.03 | 1.36 | 1.29 | 1.26 |
| NUMBER | 24 | 4 | 20 | 48 | 11 | 9 | 54 | 74 |
| PERCENT HS GRAD | 58.33 | 75.00 | 80.00 | 68.75 | 63.64 | 66.67 | 81.48 | 77.03 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 54.17 | 0.00 | 10.00 | 31.25 | 27.27 | 11.11 | 3.64 | 8.00 |
| NUMBER | 24 | 4 | 20 | 48 | 11 | 9 | 55 | 75 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 50.94 | 100.00 | 0.00 | 0.00 | 14.47 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 7.55 | 0.00 | 100.00 | 0.00 | 11.84 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 41.51 | 0.00 | 0.00 | 100.00 | 73.68 |

## Table C2-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR RESPONSIVE EDUCATION MODEL IN FRESNO, CA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 7 | 27 | 5 | 39 | 4 | 27 | 21 | 52 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 20.00 | 25.81 | 29.60 | 25.26 | 32.25 | 29.52 | 28.00 | 29.12 |
| STANDARD DEVIATION | 8.47 | 12.50 | 15.04 | 12.24 | 14.73 | 12.19 | 11.57 | 11.93 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 12.00 | 12.11 | 15.00 | 12.42 | 12.25 | 13.05 | 13.23 | 13.03 |
| STANDARD DEVIATION | .82 | 1.24 | 3.46 | 1.75 | 1.50 | 1.81 | 2.13 | 1.87 |
| NUMBER | 4 | 19 | 3 | 26 | 4 | 22 | 13 | 39 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 2550.00 | 4404.71 | 5600.00 | 4313.76 | 4375.00 | 3181.77 | 5676.77 | 3935.82 |
| STANDARD DEVIATION | 493.29 | 2342.42 | 2765.26 | 2334.85 | 2693.67 | 1820.77 | 2742.62 | 2361.16 |
| MEDIAN | 2500.00 | 3800.00 | 5350.00 | 3275.00 | 4000.00 | 2550.00 | 4650.00 | 3150.00 |
| NUMBER | 4 | 21 | 4 | 29 | 4 | 22 | 13 | 39 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 4.76 | 0.00 | 3.45 | 0.00 | 4.55 | 15.38 | 7.69 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 14.29 | 0.00 | 0.00 | 2.56 | 0.00 | 3.70 | 9.52 | 5.77 |
| PERCENT BLACK | 71.43 | 74.07 | 60.00 | 71.79 | 50.00 | 62.96 | 42.86 | 53.85 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 28.57 | 48.15 | 60.00 | 46.15 | 75.00 | 74.07 | 57.14 | 67.31 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 65.09 | 64.84 | 65.29 | 64.94 | 65.17 | 65.83 | 65.82 | 65.77 |
| STANDARD DEVIATION | 3.15 | 3.26 | 3.99 | 3.25 | 3.56 | 4.07 | 6.21 | 4.93 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 85.71 | 81.48 | 60.00 | 79.49 | 75.00 | 96.30 | 100.00 | 96.15 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 10.95 | 10.57 | 9.85 | 10.49 | 8.71 | 11.18 | 10.60 | 10.74 |
| STANDARD DEVIATION | 0.00 | 3.26 | 3.78 | 3.14 | 3.86 | 3.29 | 3.12 | 3.29 |
| NUMBER | 2 | 20 | 4 | 26 | 4 | 22 | 11 | 37 |
| PERCENT HS GRAD | 0.00 | 40.00 | 50.00 | 38.46 | 25.00 | 45.45 | 36.36 | 40.54 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 25.00 | 42.86 | 25.00 | 37.93 | 25.00 | 45.45 | 38.46 | 41.03 |
| NUMBER | 4 | 21 | 4 | 29 | 4 | 22 | 13 | 39 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 17.95 | 100.00 | 0.00 | 0.00 | 7.69 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 69.23 | 0.00 | 100.00 | 0.00 | 51.92 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 12.82 | 0.00 | 0.00 | 100.00 | 40.38 |

## Table C2-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR RESPONSIVE EDUCATION MODEL IN ST. LOUIS, MO

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 24 | 4 | 1 | 29 | 17 | 10 | 6 | 33 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 23.96 | 24.00 | 29.00 | 24.14 | 31.71 | 31.60 | 30.33 | 31.42 |
| STANDARD DEVIATION | 8.45 | 7.53 | 0.00 | 8.10 | 9.20 | 8.58 | 7.15 | 8.44 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.62 | 13.00 | 16.00 | 13.62 | 13.06 | 14.40 | 13.67 | 13.43 |
| STANDARD DEVIATION | 1.62 | 2.00 | 0.00 | 1.86 | 1.48 | 1.52 | 2.66 | 1.79 |
| NUMBER | 16 | 4 | 1 | 21 | 17 | 5 | 6 | 28 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 3799.94 | 4575.00 | 6800.00 | 4077.23 | 3752.88 | 3483.33 | 3483.33 | 3641.34 |
| STANDARD DEVIATION | 2521.25 | 2493.16 | 0.00 | 2488.71 | 2450.13 | 2735.99 | 2570.15 | 2442.32 |
| MEDIAN | 2566.67 | 3800.00 | 6800.00 | 3200.00 | 3200.00 | 2000.00 | 2250.00 | 2500.00 |
| NUMBER | 17 | 4 | 1 | 22 | 17 | 6 | 6 | 29 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 5.88 | 0.00 | 0.00 | 4.55 | 5.88 | 0.00 | 0.00 | 3.45 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT BLACK | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 66.67 | 75.00 | 0.00 | 65.52 | 64.71 | 50.00 | 16.67 | 51.52 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 65.88 | 63.77 | 60.52 | 65.40 | 66.67 | 67.92 | 66.91 | 67.09 |
| STANDARD DEVIATION | 4.67 | 3.38 | 0.00 | 4.54 | 3.79 | 3.50 | 4.40 | 3.74 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 10.55 | 12.32 | 10.95 | 10.82 | 11.06 | 11.81 | 11.77 | 11.35 |
| STANDARD DEVIATION | 2.46 | 1.18 | 0.00 | 2.32 | 2.38 | 2.42 | 1.12 | 2.18 |
| NUMBER | 17 | 3 | 1 | 21 | 17 | 6 | 5 | 28 |
| PERCENT HS GRAD | 29.41 | 66.67 | 0.00 | 33.33 | 47.06 | 50.00 | 40.00 | 46.43 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 70.59 | 50.00 | 0.00 | 63.64 | 70.59 | 66.67 | 66.67 | 68.97 |
| NUMBER | 17 | 4 | 1 | 22 | 17 | 6 | 6 | 29 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 82.76 | 100.00 | 0.00 | 0.00 | 51.52 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 13.79 | 0.00 | 100.00 | 0.00 | 30.30 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 3.45 | 0.00 | 0.00 | 100.00 | 18.18 |

Table C2-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR RESPONSIVE EDUCATION MODEL IN SALT LAKE CITY, UT

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 15 | 5 | 1 | 21 | 5 | 11 | 29 | 45 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 30.07 | 26.80 | 25.00 | 29.05 | 26.40 | 34.64 | 30.34 | 30.96 |
| STANDARD DEVIATION | 14.08 | 16.68 | 0.00 | 14.04 | 8.62 | 9.52 | 11.87 | 11.09 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.73 | 12.60 | 0.00 | 13.37 | 13.20 | 16.40 | 15.19 | 15.24 |
| STANDARD DEVIATION | 2.28 | .55 | 0.00 | 1.96 | 1.64 | 2.22 | 2.17 | 2.28 |
| NUMBER | 11 | 5 | 0 | 16 | 5 | 10 | 26 | 41 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4040.00 | 5279.80 | 0.00 | 4453.27 | 5480.00 | 8190.64 | 7599.74 | 7504.42 |
| STANDARD DEVIATION | 1138.42 | 3318.08 | 0.00 | 2084.40 | 1916.25 | 1883.57 | 2492.04 | 2378.22 |
| MEDIAN | 4200.00 | 3800.00 | 0.00 | 4150.00 | 5000.00 | 8249.75 | 8200.00 | 8120.40 |
| NUMBER | 10 | 5 | 0 | 15 | 5 | 11 | 27 | 43 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 20.00 | 0.00 | 6.67 | 0.00 | 27.27 | 25.93 | 23.26 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 53.33 | 60.00 | 100.00 | 57.14 | 80.00 | 90.91 | 89.66 | 88.89 |
| PERCENT BLACK | 26.67 | 40.00 | 0.00 | 28.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 80.00 | 60.00 | 0.00 | 71.43 | 20.00 | 27.27 | 51.72 | 42.22 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 65.00 | 64.20 | 63.62 | 64.74 | 67.02 | 67.16 | 67.24 | 67.20 |
| STANDARD DEVIATION | 4.06 | 4.43 | 0.00 | 3.96 | 2.97 | 3.94 | 3.25 | 3.33 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 10.93 | 10.16 | 0.00 | 10.69 | 12.58 | 13.35 | 11.95 | 12.39 |
| STANDARD DEVIATION | 3.95 | 2.18 | 0.00 | 3.43 | 1.70 | 2.17 | 2.62 | 2.45 |
| NUMBER | 11 | 5 | 0 | 16 | 5 | 11 | 26 | 42 |
| PERCENT HS GRAD | 45.45 | 20.00 | 0.00 | 37.50 | 60.00 | 72.73 | 69.23 | 69.05 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 36.36 | 60.00 | 0.00 | 43.75 | 20.00 | 9.09 | 11.11 | 11.63 |
| NUMBER | 11 | 5 | 0 | 16 | 5 | 11 | 27 | 43 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 71.43 | 100.00 | 0.00 | 0.00 | 11.11 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 23.81 | 0.00 | 100.00 | 0.00 | 24.44 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 4.76 | 0.00 | 0.00 | 100.00 | 64.44 |

Table C2-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR RESPONSIVE EDUCATION MODEL IN TACOMA, WA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 36 | 4 | 8 | 48 | 6 | 3 | 33 | 42 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 30.44 | 38.75 | 43.25 | 33.27 | 33.50 | 47.33 | 38.88 | 38.71 |
| STANDARD DEVIATION | 11.10 | 20.60 | 12.02 | 12.88 | 11.79 | 10.79 | 13.46 | 13.17 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.05 | 16.75 | 15.00 | 14.50 | 13.00 | 15.67 | 14.63 | 14.44 |
| STANDARD DEVIATION | 2.42 | 2.87 | 0.00 | 2.58 | 1.67 | .58 | 2.31 | 2.21 |
| NUMBER | 21 | 4 | 1 | 26 | 6 | 3 | 27 | 36 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4264.95 | 9424.25 | 4700.00 | 5107.84 | 4300.00 | 8966.33 | 7426.73 | 7022.69 |
| STANDARD DEVIATION | 2416.54 | 1149.50 | 0.00 | 2914.18 | 2773.45 | 1167.18 | 2336.20 | 2644.01 |
| MEDIAN | 3250.00 | 9615.83 | 4700.00 | 4587.50 | 3500.00 | 9200.00 | 7666.83 | 7625.37 |
| NUMBER | 20 | 4 | 1 | 25 | 6 | 3 | 26 | 35 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 5.00 | 75.00 | 0.00 | 16.00 | 0.00 | 33.33 | 19.23 | 17.14 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 36.11 | 75.00 | 100.00 | 50.00 | 83.33 | 66.67 | 78.79 | 78.57 |
| PERCENT BLACK | 61.11 | 25.00 | 0.00 | 47.92 | 0.00 | 0.00 | 3.03 | 2.38 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 58.33 | 25.00 | 25.00 | 50.00 | 66.67 | 100.00 | 42.42 | 50.00 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 68.08 | 67.16 | 68.12 | 68.01 | 68.52 | 69.55 | 66.53 | 67.03 |
| STANDARD DEVIATION | 3.59 | 2.72 | 2.32 | 3.30 | 5.60 | 1.02 | 3.42 | 3.74 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.42 | 14.00 | 15.00 | 12.02 | 12.14 | 12.98 | 12.36 | 12.37 |
| STANDARD DEVIATION | 2.90 | 2.00 | 0.00 | 2.91 | 2.74 | 2.03 | 2.51 | 2.46 |
| NUMBER | 18 | 4 | 1 | 23 | 6 | 3 | 28 | 37 |
| PERCENT HS GRAD | 44.44 | 100.00 | 100.00 | 56.52 | 50.00 | 66.67 | 64.29 | 62.16 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 28.57 | 0.00 | 0.00 | 23.08 | 50.00 | 0.00 | 10.71 | 16.22 |
| NUMBER | 21 | 4 | 1 | 26 | 6 | 3 | 28 | 37 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 75.00 | 100.00 | 0.00 | 0.00 | 14.29 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 8.33 | 0.00 | 100.00 | 0.00 | 7.14 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 16.67 | 0.00 | 0.00 | 100.00 | 78.57 |

## Table C2-IIIK(PS)-29

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR RESPONSIVE EDUCATION MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 124 | 72 | 45 | 241 | 49 | 78 | 150 | 277 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 22.45 | 20.42 | 27.04 | 22.70 | 24.22 | 24.41 | 29.25 | 27.00 |
| STANDARD DEVIATION | 11.16 | 11.37 | 11.53 | 11.47 | 10.62 | 11.62 | 10.84 | 11.26 |
| SPELLING | | | | | | | | |
| MEAN | 15.10 | 13.82 | 17.31 | 15.13 | 18.55 | 18.17 | [illegible] | 20.34 |
| STANDARD DEVIATION | 12.22 | 13.07 | 12.42 | 12.52 | 12.39 | 13.28 | 11.62 | 12.34 |
| LANGUAGE | | | | | | | | |
| MEAN | 15.60 | 14.49 | 17.80 | 15.68 | 16.65 | 18.24 | 19.58 | 18.69 |
| STANDARD DEVIATION | 7.32 | 7.52 | 8.42 | 7.64 | 7.10 | 8.88 | 9.03 | 8.72 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 17.23 | 16.56 | 18.62 | 17.29 | 17.45 | 18.56 | 18.31 | 18.23 |
| STANDARD DEVIATION | 7.09 | 7.02 | 7.03 | 7.06 | 7.14 | 7.93 | 6.58 | 7.07 |
| RAVENS | | | | | | | | |
| MEAN | 18.26 | 17.42 | 21.00 | 18.52 | 18.29 | 17.54 | 20.49 | 19.27 |
| STANDARD DEVIATION | 4.85 | 5.18 | 3.67 | 4.90 | 4.43 | 4.64 | 4.30 | 4.61 |
| READING | | | | | | | | |
| MEAN | 17.35 | 16.21 | 21.49 | 17.78 | 17.47 | 19.10 | 20.45 | 19.55 |
| STANDARD DEVIATION | 8.03 | 7.22 | 8.55 | 8.08 | 7.27 | 8.33 | 8.39 | 8.24 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 15.56 | 15.56 | 18.91 | 16.19 | 16.18 | 16.72 | 19.53 | 18.14 |
| STANDARD DEVIATION | 7.76 | 7.77 | 8.08 | 7.90 | 8.39 | 7.96 | 8.03 | 8.19 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 12.77 | 12.53 | 14.07 | 12.94 | 13.47 | 13.13 | 14.74 | 14.06 |
| STANDARD DEVIATION | 6.98 | 6.30 | 6.37 | 6.67 | 7.75 | 6.75 | 7.51 | 7.36 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.62 | 34.90 | 36.93 | 36.17 | 36.55 | 36.32 | [illegible] | 37.44 |
| STANDARD DEVIATION | 7.70 | 7.74 | 9.90 | 8.17 | 6.79 | 7.74 | 7.78 | 7.63 |
| IARS(-) | | | | | | | | |
| MEAN | 9.51 | 9.82 | 9.64 | 9.63 | 10.20 | 9.86 | 10.01 | 10.00 |
| STANDARD DEVIATION | 2.38 | 2.36 | 2.65 | 2.42 | 2.58 | 2.74 | 2.75 | 2.71 |
| IARS(+) | | | | | | | | |
| MEAN | 12.66 | 12.37 | 13.40 | 12.71 | 12.53 | 13.36 | 13.27 | 13.16 |
| STANDARD DEVIATION | 2.32 | 2.51 | 2.29 | 2.39 | 2.47 | 2.08 | 2.10 | 2.17 |
| TOTAL READING | | | | | | | | |
| MEAN | 39.81 | 36.62 | 48.53 | 40.49 | 41.69 | 43.51 | 49.70 | 46.54 |
| STANDARD DEVIATION | 18.49 | 17.74 | 19.47 | 18.83 | 16.91 | 19.18 | 18.36 | 18.62 |
| TOTAL MATH | | | | | | | | |
| MEAN | 45.56 | 44.64 | 51.60 | 46.41 | 47.10 | 48.41 | 52.58 | 50.44 |
| STANDARD DEVIATION | 20.18 | 19.32 | 19.05 | 19.80 | 21.42 | 20.51 | 20.50 | 20.73 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.52 | 6.65 | 8.73 | 7.49 | 7.84 | 7.96 | 8.95 | 8.47 |
| STANDARD DEVIATION | 3.47 | 3.53 | 2.87 | 3.44 | 3.22 | 3.35 | 3.26 | 3.31 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.08 | 7.83 | 9.07 | 8.19 | 8.82 | 10.28 | 10.63 | 10.21 |
| STANDARD DEVIATION | 5.16 | 4.97 | 6.69 | 5.42 | 5.51 | 7.03 | 6.97 | [illegible] |

## Table C2-IIIK(PS)-30

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR RESPONSIVE EDUCATION MODEL IN BUFFALO, NY

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 15 | 28 | 8 | 51 | 6 | 18 | 5 | 29 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 19.27 | 19.11 | 22.75 | 19.73 | 21.83 | 19.00 | 18.60 | 19.52 |
| STANDARD DEVIATION | 8.20 | 12.25 | 12.93 | 11.18 | 14.82 | 9.62 | 8.41 | 10.35 |
| SPELLING | | | | | | | | |
| MEAN | 11.67 | 13.11 | 13.13 | 12.69 | 16.50 | 12.17 | 15.20 | 13.59 |
| STANDARD DEVIATION | 11.08 | 13.50 | 12.67 | 12.48 | 12.47 | 11.44 | 15.85 | 12.11 |
| LANGUAGE | | | | | | | | |
| MEAN | 14.80 | 14.93 | 16.00 | 15.06 | 14.67 | 15.94 | 15.40 | 15.59 |
| STANDARD DEVIATION | 4.89 | 6.41 | 6.99 | 5.99 | 4.76 | 6.14 | 3.91 | 5.42 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 16.53 | 17.71 | 15.63 | 17.04 | 21.50 | 21.00 | 22.60 | 21.38 |
| STANDARD DEVIATION | 5.99 | 6.88 | 6.35 | 6.47 | 5.99 | 6.76 | 1.34 | 5.90 |
| RAVENS | | | | | | | | |
| MEAN | 16.67 | 17.61 | 19.00 | 17.55 | 17.67 | 17.06 | 16.60 | 17.10 |
| STANDARD DEVIATION | 4.64 | 5.24 | 2.20 | 4.70 | 5.82 | 4.47 | 5.37 | 4.73 |
| READING | | | | | | | | |
| MEAN | 13.87 | 16.57 | 19.62 | 16.25 | 16.17 | 16.39 | 14.60 | 16.03 |
| STANDARD DEVIATION | 4.36 | 5.99 | 7.78 | 6.06 | 6.01 | 6.15 | 5.41 | 5.83 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 14.20 | 16.43 | 17.62 | 15.96 | 14.83 | 15.22 | 15.20 | 15.14 |
| STANDARD DEVIATION | 6.46 | 7.70 | 9.12 | 7.54 | 8.59 | 5.02 | 4.76 | 5.64 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 11.33 | 14.18 | 14.75 | 13.43 | 16.00 | 13.22 | 11.60 | 13.52 |
| STANDARD DEVIATION | 4.22 | 5.22 | 6.80 | 5.30 | 7.87 | 5.05 | 6.02 | 5.81 |
| COOPERSMITH | | | | | | | | |
| MEAN | 37.07 | 34.64 | 39.87 | 36.18 | 36.50 | 37.33 | 36.20 | 36.97 |
| STANDARD DEVIATION | 7.91 | 6.91 | 7.26 | 7.38 | 5.82 | 7.75 | 4.27 | 6.73 |
| IARS(-) | | | | | | | | |
| MEAN | 9.33 | 8.82 | 10.12 | 9.18 | 11.83 | 10.61 | 10.80 | 10.90 |
| STANDARD DEVIATION | 2.53 | 2.11 | 2.85 | 2.36 | 2.32 | 2.48 | 2.68 | 2.44 |
| IARS(+) | | | | | | | | |
| MEAN | 12.40 | 12.04 | 13.37 | 12.35 | 13.67 | 13.33 | 13.60 | 13.45 |
| STANDARD DEVIATION | 2.23 | 2.71 | 1.51 | 2.43 | 1.03 | 2.43 | 2.07 | 2.10 |
| TOTAL READING | | | | | | | | |
| MEAN | 33.13 | 35.68 | 42.37 | 35.98 | 38.00 | 35.39 | 33.20 | 35.55 |
| STANDARD DEVIATION | 12.08 | 17.51 | 20.04 | 16.48 | 20.48 | 15.36 | 13.29 | 15.67 |
| TOTAL MATH | | | | | | | | |
| MEAN | 42.07 | 48.32 | 48.00 | 46.43 | 52.33 | 49.44 | 49.40 | 50.33 |
| STANDARD DEVIATION | 15.12 | 18.05 | 20.92 | 17.59 | 21.85 | 14.52 | 11.33 | 15.26 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.47 | 7.25 | 8.50 | 7.51 | 8.83 | 7.56 | 7.40 | 7.79 |
| STANDARD DEVIATION | 3.72 | 3.52 | 2.98 | 3.47 | 1.94 | 2.75 | 1.52 | 2.43 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 7.33 | 7.68 | 7.50 | 7.55 | 5.83 | 8.39 | 8.00 | 7.79 |
| STANDARD DEVIATION | 2.64 | 4.15 | 4.31 | 3.73 | 3.31 | 4.58 | 2.55 | 4.08 |

## Table C2-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR RESPONSIVE EDUCATION MODEL IN DULUTH, MN

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 27 | 4 | 22 | 53 | 11 | 9 | 56 | 76 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 29.81 | 35.50 | 30.05 | 30.34 | 34.73 | 37.89 | 32.30 | 33.32 |
| STANDARD DEVIATION | 12.77 | 9.04 | 10.55 | 11.55 | 7.52 | 9.71 | 8.91 | 8.91 |
| SPELLING | | | | | | | | |
| MEAN | 21.04 | 28.50 | 21.32 | 21.72 | 29.36 | 28.89 | 24.30 | 25.58 |
| STANDARD DEVIATION | 11.77 | 7.00 | 11.36 | 11.31 | 9.99 | 12.38 | 9.99 | 10.37 |
| LANGUAGE | | | | | | | | |
| MEAN | 19.30 | 25.25 | 18.82 | 19.55 | 22.00 | 26.33 | 19.96 | 21.01 |
| STANDARD DEVIATION | 8.58 | 11.44 | 8.46 | 8.72 | 6.84 | 11.03 | 8.60 | 8.82 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 20.63 | 28.00 | 21.91 | 21.72 | 22.82 | 24.33 | 19.57 | 20.61 |
| STANDARD DEVIATION | 7.04 | 6.00 | 6.30 | 6.83 | 5.78 | 8.00 | 6.36 | 6.64 |
| RAVENS | | | | | | | | |
| MEAN | 22.37 | 22.00 | 22.14 | 22.25 | 22.09 | 21.11 | 20.68 | 20.93 |
| STANDARD DEVIATION | 3.52 | 3.92 | 3.44 | 3.45 | 2.21 | 4.81 | 4.18 | 4.02 |
| READING | | | | | | | | |
| MEAN | 22.44 | 28.50 | 22.82 | 23.06 | 26.09 | 28.78 | 22.70 | 23.91 |
| STANDARD DEVIATION | 10.24 | 12.07 | 8.09 | 9.48 | 5.79 | 10.03 | 7.52 | 7.83 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 21.70 | 27.25 | 19.32 | 21.13 | 25.45 | 26.44 | 22.93 | 23.71 |
| STANDARD DEVIATION | 8.43 | 5.85 | 6.74 | 7.76 | 8.08 | 8.40 | 7.16 | 7.46 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 17.22 | 22.25 | 14.36 | 16.42 | 21.45 | 21.67 | 17.96 | 18.51 |
| STANDARD DEVIATION | 8.72 | 9.57 | 5.53 | 7.77 | 6.82 | 8.05 | 7.13 | 7.27 |
| COOPERSMITH | | | | | | | | |
| MEAN | 38.30 | 44.50 | 38.32 | 38.77 | 35.82 | 43.22 | 38.95 | 39.00 |
| STANDARD DEVIATION | 8.90 | 4.04 | 9.52 | 8.94 | 8.73 | 3.35 | 8.03 | 7.89 |
| IARS(-) | | | | | | | | |
| MEAN | 10.19 | 12.25 | 9.55 | 10.08 | 11.09 | 9.22 | 10.79 | 10.64 |
| STANDARD DEVIATION | 2.53 | 2.06 | 2.60 | 2.58 | 1.58 | 3.46 | 2.36 | 2.45 |
| IARS(+) | | | | | | | | |
| MEAN | 13.93 | 13.75 | 13.86 | 13.89 | 12.36 | 14.44 | 13.64 | 13.55 |
| STANDARD DEVIATION | 1.62 | .50 | 1.67 | 1.56 | 2.25 | 1.81 | 1.85 | 1.96 |
| TOTAL READING | | | | | | | | |
| MEAN | 52.26 | 64.00 | 52.86 | 53.40 | 60.82 | 66.67 | 55.00 | 57.22 |
| STANDARD DEVIATION | 22.54 | 21.02 | 17.90 | 20.46 | 11.59 | 19.08 | 15.54 | 15.82 |
| TOTAL MATH | | | | | | | | |
| MEAN | 59.56 | 77.50 | 55.59 | 59.26 | 69.73 | 72.44 | 60.46 | 63.22 |
| STANDARD DEVIATION | 22.50 | 21.21 | 16.44 | 20.48 | 18.35 | 23.43 | 19.29 | 19.96 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 8.89 | 10.00 | 9.41 | 9.19 | 10.27 | 10.78 | 9.70 | 9.91 |
| STANDARD DEVIATION | 3.07 | 2.45 | 2.77 | 2.88 | 2.49 | 2.49 | 3.09 | 2.94 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 10.41 | 15.25 | 9.41 | 10.36 | 11.73 | 15.56 | 10.27 | 11.11 |
| STANDARD DEVIATION | 6.79 | 9.21 | 7.21 | 7.15 | 5.80 | 9.33 | 6.92 | 7.20 |

Table C2-IIIK(PS)-30 (cont.)

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR RESPONSIVE EDUCATION MODEL IN FRESNO, CA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 7 | 27 | 5 | 39 | 4 | 27 | 21 | 52 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 15.57 | 17.59 | 22.40 | 17.85 | 19.50 | 19.74 | 20.81 | 20.15 |
| STANDARD DEVIATION | 8.20 | 9.77 | 13.50 | 9.94 | 1.29 | 8.80 | 10.18 | 8.98 |
| SPELLING | | | | | | | | |
| MEAN | 6.14 | 9.56 | 13.20 | 9.41 | 8.25 | 16.11 | 14.90 | 15.02 |
| STANDARD DEVIATION | 6.20 | 11.54 | 14.94 | 11.16 | 3.86 | 12.38 | 13.19 | 12.31 |
| LANGUAGE | | | | | | | | |
| MEAN | 11.86 | 11.37 | 14.60 | 11.87 | 10.25 | 13.33 | 13.86 | 13.31 |
| STANDARD DEVIATION | 3.80 | 5.89 | 6.66 | 5.64 | 3.95 | 5.67 | 6.70 | 5.98 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 11.00 | 14.85 | 17.00 | 14.44 | 13.25 | 14.04 | 13.19 | 13.63 |
| STANDARD DEVIATION | 2.31 | 6.50 | 5.20 | 5.98 | 3.20 | 6.55 | 5.13 | 5.74 |
| RAVENS | | | | | | | | |
| MEAN | 13.86 | 15.78 | 18.00 | 15.72 | 16.00 | 15.89 | 17.57 | 16.58 |
| STANDARD DEVIATION | 4.18 | 5.37 | 5.52 | 5.20 | 4.55 | 3.98 | 5.17 | 4.53 |
| READING | | | | | | | | |
| MEAN | 11.43 | 13.04 | 17.40 | 13.31 | 13.00 | 15.89 | 15.00 | 15.31 |
| STANDARD DEVIATION | 4.20 | 5.63 | 10.21 | 6.19 | 4.08 | 5.72 | 6.85 | 6.06 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 10.00 | 12.81 | 16.20 | 12.74 | 8.25 | 13.11 | 12.05 | 12.31 |
| STANDARD DEVIATION | 3.61 | 7.09 | 9.63 | 7.01 | 1.89 | 6.68 | 6.08 | 6.25 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 8.00 | 9.70 | 12.60 | 9.77 | 7.50 | 9.48 | 8.38 | 8.88 |
| STANDARD DEVIATION | 2.58 | 4.94 | 8.08 | 5.13 | 3.32 | 5.30 | 4.90 | 4.98 |
| COOPERSMITH | | | | | | | | |
| MEAN | 30.57 | 32.04 | 29.80 | 31.49 | 34.25 | 32.07 | 30.57 | 31.63 |
| STANDARD DEVIATION | 4.08 | 8.60 | 11.58 | 8.25 | 5.74 | 7.25 | 6.85 | 6.94 |
| IARS(-) | | | | | | | | |
| MEAN | 10.29 | 10.00 | 7.60 | 9.74 | 10.75 | 9.52 | 8.33 | 9.13 |
| STANDARD DEVIATION | 2.06 | 2.04 | 2.97 | 2.27 | 3.86 | 2.24 | 2.44 | 2.51 |
| IARS(+) | | | | | | | | |
| MEAN | 11.29 | 12.70 | 10.80 | 12.21 | 10.25 | 12.85 | 11.62 | 12.15 |
| STANDARD DEVIATION | 1.98 | 2.37 | 3.27 | 2.48 | 2.87 | 1.75 | 2.58 | 2.30 |
| TOTAL READING | | | | | | | | |
| MEAN | 27.00 | 30.63 | 39.80 | 31.15 | 32.50 | 35.63 | 35.81 | 35.46 |
| STANDARD DEVIATION | 11.31 | 14.63 | 23.69 | 15.46 | 5.20 | 13.07 | 16.10 | 13.82 |
| TOTAL MATH | | | | | | | | |
| MEAN | 29.00 | 37.37 | 45.80 | 36.95 | 29.00 | 36.63 | 33.62 | 34.83 |
| STANDARD DEVIATION | 5.86 | 16.74 | 22.55 | 16.52 | 2.83 | 15.88 | 14.16 | 14.58 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.86 | 5.26 | 6.40 | 5.69 | 6.00 | 6.33 | 6.81 | 6.50 |
| STANDARD DEVIATION | 2.91 | 3.12 | 2.97 | 3.06 | 4.24 | 3.45 | 3.43 | 3.44 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 5.00 | 6.11 | 8.20 | 6.18 | 4.25 | 7.00 | 7.05 | 6.81 |
| STANDARD DEVIATION | 3.37 | 3.88 | 4.21 | 3.84 | 2.50 | 4.51 | 5.28 | 4.71 |

Table C2-IIIK(PS)-30 (cont.)

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR RESPONSIVE EDUCATION MODEL IN ST. LOUIS, MO

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 24 | 4 | 1 | 29 | 17 | 10 | 6 | 33 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 21.21 | 23.75 | 30.00 | 21.86 | 18.24 | 19.60 | 20.50 | 19.06 |
| STANDARD DEVIATION | 9.93 | 10.75 | 0.00 | 9.83 | 8.59 | 7.52 | 6.22 | 7.73 |
| SPELLING | | | | | | | | |
| MEAN | 17.33 | 22.75 | 36.00 | 18.72 | 15.35 | 10.60 | 20.67 | 14.88 |
| STANDARD DEVIATION | 13.81 | 9.95 | 0.00 | 13.49 | 12.48 | 11.82 | 7.84 | 11.79 |
| LANGUAGE | | | | | | | | |
| MEAN | 15.50 | 17.00 | 19.00 | 15.83 | 14.53 | 18.80 | 15.33 | 15.97 |
| STANDARD DEVIATION | 7.57 | 9.02 | 0.00 | 7.51 | 6.82 | 7.33 | 4.97 | 6.78 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 18.67 | 14.25 | 33.00 | 18.55 | 15.65 | 15.20 | 13.17 | 15.06 |
| STANDARD DEVIATION | 7.59 | 4.03 | 0.00 | 7.69 | 6.48 | 7.67 | 7.44 | 6.86 |
| RAVENS | | | | | | | | |
| MEAN | 16.12 | 18.75 | 20.00 | 16.62 | 16.12 | 15.10 | 17.67 | 16.09 |
| STANDARD DEVIATION | 4.30 | 2.22 | 0.00 | 4.12 | 3.77 | 3.18 | 4.41 | 3.71 |
| READING | | | | | | | | |
| MEAN | 16.75 | 19.00 | 25.00 | 17.34 | 14.59 | 15.20 | 12.83 | 14.45 |
| STANDARD DEVIATION | 7.10 | 7.16 | 0.00 | 7.05 | 6.98 | 6.88 | 6.24 | 6.67 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 15.63 | 17.75 | 24.00 | 16.21 | 13.59 | 13.80 | 16.03 | 14.24 |
| STANDARD DEVIATION | 6.10 | 4.11 | 0.00 | 5.93 | 5.50 | 6.29 | 5.38 | 5.68 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 13.29 | 12.25 | 25.00 | 13.55 | 10.94 | 11.20 | 9.00 | 10.67 |
| STANDARD DEVIATION | 6.19 | 4.27 | 0.00 | 6.20 | 5.20 | 4.98 | 4.60 | 4.95 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.37 | 38.50 | 39.00 | 36.76 | 37.76 | 34.40 | 39.00 | 36.97 |
| STANDARD DEVIATION | 6.63 | 3.87 | 0.00 | 6.20 | 6.02 | 7.79 | 3.69 | 6.36 |
| IARS(-) | | | | | | | | |
| MEAN | 9.38 | 12.25 | 8.00 | 9.72 | 9.12 | 10.60 | 10.50 | 9.82 |
| STANDARD DEVIATION | 2.28 | 2.99 | 0.00 | 2.52 | 2.67 | 3.34 | 3.02 | 2.94 |
| IARS(+) | | | | | | | | |
| MEAN | 12.29 | 12.25 | 17.00 | 12.45 | 11.71 | 11.80 | 12.67 | 11.91 |
| STANDARD DEVIATION | 2.25 | 2.99 | 0.00 | 2.43 | 2.39 | 1.87 | 2.94 | 2.31 |
| TOTAL READING | | | | | | | | |
| MEAN | 37.96 | 42.75 | 55.00 | 39.21 | 32.82 | 34.80 | 33.33 | 33.52 |
| STANDARD DEVIATION | 16.01 | 17.04 | 0.00 | 15.93 | 14.80 | 13.26 | 11.98 | 13.50 |
| TOTAL MATH | | | | | | | | |
| MEAN | 47.58 | 44.25 | 82.00 | 48.31 | 40.18 | 40.20 | 39.00 | 39.97 |
| STANDARD DEVIATION | 18.23 | 8.38 | 0.00 | 17.99 | 15.13 | 16.11 | 14.41 | 14.84 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.50 | 8.00 | 11.00 | 7.69 | 6.12 | 7.90 | 6.33 | 6.70 |
| STANDARD DEVIATION | 3.40 | 4.55 | 0.00 | 3.49 | 2.87 | 3.51 | 1.97 | 2.97 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.00 | 9.00 | 8.00 | 8.14 | 8.41 | 10.90 | 9.00 | 9.27 |
| STANDARD DEVIATION | 5.47 | 4.83 | 0.00 | 5.13 | 5.32 | 6.19 | 3.90 | 5.34 |

Table C2-IIIK(PS)-30 (cont.)

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR RESPONSIVE EDUCATION MODEL IN SALT LAKE CITY, UT

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 15 | 5 | 1 | 21 | 5 | 11 | 29 | 45 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 23.73 | 22.60 | 25.00 | 23.52 | 26.80 | 33.55 | 29.48 | 30.18 |
| STANDARD DEVIATION | 13.17 | 8.56 | 0.00 | 11.68 | 5.45 | 8.37 | 10.91 | 9.94 |
| SPELLING | | | | | | | | |
| MEAN | 19.00 | 18.00 | 26.00 | 19.10 | 18.40 | 27.36 | 21.28 | 22.44 |
| STANDARD DEVIATION | 12.94 | 14.68 | 0.00 | 12.77 | 8.91 | 10.02 | 12.30 | 11.62 |
| LANGUAGE | | | | | | | | |
| MEAN | 14.60 | 13.20 | 11.00 | 14.10 | 17.60 | 23.36 | 20.90 | 21.13 |
| STANDARD DEVIATION | 8.10 | 7.26 | 0.00 | 7.57 | 4.04 | 9.27 | 9.47 | 8.99 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 18.53 | 15.60 | 12.00 | 17.52 | 15.80 | 22.18 | 18.21 | 18.91 |
| STANDARD DEVIATION | 7.34 | 7.23 | 0.00 | 7.17 | 6.83 | 7.29 | 6.31 | 6.76 |
| RAVENS | | | | | | | | |
| MEAN | 17.73 | 19.00 | 21.00 | 18.19 | 19.20 | 20.18 | 21.93 | 21.20 |
| STANDARD DEVIATION | 4.04 | 3.39 | 0.00 | 3.80 | 4.15 | 4.47 | 2.69 | 3.43 |
| READING | | | | | | | | |
| MEAN | 19.00 | 17.40 | 25.00 | 18.90 | 14.00 | 23.18 | 20.28 | 20.29 |
| STANDARD DEVIATION | 9.69 | 8.14 | 0.00 | 9.02 | 2.55 | 5.56 | 8.20 | 7.55 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 14.40 | 12.20 | 24.00 | 14.33 | 14.60 | 20.64 | 19.10 | 18.98 |
| STANDARD DEVIATION | 9.05 | 7.19 | 0.00 | 8.58 | 5.55 | 7.72 | 8.30 | 7.94 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 13.07 | 9.60 | 14.00 | 12.29 | 9.00 | 14.82 | 14.97 | 14.27 |
| STANDARD DEVIATION | 8.06 | 8.17 | 0.00 | 7.82 | 4.64 | 5.78 | 7.26 | 6.83 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.40 | 37.20 | 16.00 | 35.62 | 37.60 | 38.73 | 41.69 | 40.51 |
| STANDARD DEVIATION | 7.27 | 4.87 | 0.00 | 7.88 | 8.44 | 4.92 | 6.15 | 6.23 |
| IARS(-) | | | | | | | | |
| MEAN | 10.13 | 8.60 | 9.00 | 9.71 | 10.00 | 9.36 | 9.72 | 9.67 |
| STANDARD DEVIATION | 2.70 | 1.82 | 0.00 | 2.49 | 2.24 | 3.41 | 3.32 | 3.18 |
| IARS(+) | | | | | | | | |
| MEAN | 11.87 | 10.80 | 15.00 | 11.76 | 13.20 | 14.82 | 13.97 | 14.09 |
| STANDARD DEVIATION | 2.43 | 2.86 | 0.00 | 2.83 | 2.68 | 1.54 | 1.92 | 1.94 |
| TOTAL READING | | | | | | | | |
| MEAN | 42.73 | 40.00 | 50.00 | 42.43 | 40.80 | 56.73 | 49.76 | 50.47 |
| STANDARD DEVIATION | 21.94 | 15.57 | 0.00 | 19.75 | 6.26 | 12.99 | 18.42 | 16.69 |
| TOTAL MATH | | | | | | | | |
| MEAN | 46.00 | 37.40 | 50.00 | 44.14 | 39.40 | 57.64 | 52.28 | 52.16 |
| STANDARD DEVIATION | 23.55 | 21.87 | 0.00 | 22.35 | 12.74 | 17.78 | 20.52 | 19.51 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.73 | 5.40 | 8.00 | 6.48 | 9.00 | 10.00 | 9.24 | 9.40 |
| STANDARD DEVIATION | 3.61 | 2.61 | 0.00 | 3.31 | 4.30 | 2.53 | 3.24 | 3.15 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 7.87 | 7.80 | 3.00 | 7.62 | 8.60 | 13.36 | 11.66 | 11.73 |
| STANDARD DEVIATION | 5.28 | 5.54 | 0.00 | 5.17 | 2.70 | 8.10 | 7.52 | 7.31 |

## Table C2-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR RESPONSIVE EDUCATION MODEL IN TACOMA, WA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 36 | 4 | 8 | 48 | 6 | 3 | 33 | 42 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 19.89 | 27.50 | 25.87 | 21.52 | 25.33 | 41.00 | 32.42 | 32.02 |
| STANDARD DEVIATION | 8.95 | 10.41 | 12.74 | 9.95 | 9.50 | 7.94 | 11.01 | 11.01 |
| SPELLING | | | | | | | | |
| MEAN | 10.72 | 18.75 | 9.63 | 11.21 | 16.83 | 32.00 | 24.73 | 24.12 |
| STANDARD DEVIATION | 9.80 | 13.67 | 9.15 | 10.07 | 12.70 | 2.65 | 10.84 | 11.15 |
| LANGUAGE | | | | | | | | |
| MEAN | 14.36 | 20.75 | 19.50 | 15.75 | 18.33 | 31.33 | 22.82 | 22.79 |
| STANDARD DEVIATION | 6.46 | 8.81 | 11.53 | 7.86 | 8.73 | 8.14 | 9.99 | 9.93 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 14.69 | 12.00 | 12.62 | 14.12 | 12.83 | 25.33 | 19.82 | 19.21 |
| STANDARD DEVIATION | 6.27 | 2.16 | 3.54 | 5.70 | 8.50 | 3.06 | 6.47 | 7.14 |
| RAVENS | | | | | | | | |
| MEAN | 18.33 | 19.25 | 21.88 | 19.00 | 18.83 | 23.00 | 21.85 | 21.50 |
| STANDARD DEVIATION | 4.67 | 6.24 | 3.27 | 4.69 | 4.45 | 2.65 | 3.62 | 3.78 |
| READING | | | | | | | | |
| MEAN | 15.86 | 18.50 | 21.37 | 17.00 | 17.00 | 33.33 | 22.55 | 22.52 |
| STANDARD DEVIATION | 5.61 | 6.03 | 10.85 | 6.91 | 3.35 | 7.64 | 9.14 | 9.08 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 13.06 | 18.25 | 19.50 | 14.56 | 14.50 | 24.33 | 20.03 | 19.55 |
| STANDARD DEVIATION | 6.28 | 6.95 | 11.06 | 7.60 | 8.76 | 7.23 | 7.75 | 8.02 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 10.47 | 14.25 | 12.12 | 11.06 | 11.17 | 20.00 | 14.64 | 14.52 |
| STANDARD DEVIATION | 5.39 | 6.34 | 7.51 | 5.83 | 9.35 | 4.58 | 7.36 | 7.60 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.61 | 40.00 | 37.00 | 36.96 | 35.17 | 45.33 | 39.36 | 39.19 |
| STANDARD DEVIATION | 7.87 | 5.03 | 9.99 | 7.97 | 7.03 | 5.69 | 7.21 | 7.30 |
| IARS(-) | | | | | | | | |
| MEAN | 8.75 | 12.25 | 11.00 | 9.42 | 9.83 | 9.67 | 9.82 | 9.81 |
| STANDARD DEVIATION | 2.08 | 1.50 | 2.20 | 2.35 | 2.93 | 1.53 | 2.62 | 2.55 |
| IARS(+) | | | | | | | | |
| MEAN | 12.67 | 13.25 | 13.13 | 12.79 | 15.00 | 14.67 | 13.12 | 13.50 |
| STANDARD DEVIATION | 2.40 | 2.22 | 2.90 | 2.43 | 1.55 | .58 | 1.65 | 1.73 |
| TOTAL READING | | | | | | | | |
| MEAN | 35.75 | 46.00 | 47.25 | 38.52 | 42.33 | 74.33 | 54.97 | 54.55 |
| STANDARD DEVIATION | 13.73 | 16.10 | 23.11 | 16.13 | 12.29 | 15.53 | 18.80 | 18.88 |
| TOTAL MATH | | | | | | | | |
| MEAN | 38.22 | 44.50 | 44.25 | 39.75 | 38.50 | 69.67 | 54.48 | 53.29 |
| STANDARD DEVIATION | 15.73 | 13.67 | 21.42 | 16.49 | 25.60 | 14.57 | 19.78 | 21.17 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.97 | 8.75 | 8.38 | 7.35 | 7.50 | 9.33 | 9.48 | 9.19 |
| STANDARD DEVIATION | 3.65 | 4.11 | 2.92 | 3.57 | 1.64 | 1.53 | 3.10 | 2.91 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 7.39 | 12.00 | 11.12 | 8.40 | 10.83 | 22.00 | 13.33 | 13.60 |
| STANDARD DEVIATION | 4.22 | 4.97 | 9.11 | 5.51 | 7.88 | 6.93 | 7.45 | 7.72 |

## Table C2-IIIEF-1

## ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT III ENTERING FIRST SITES IN THE RESPONSIVE EDUCATION MODEL

| | GOLDSBORO, NC | | | SUMTER, SC | | | OWENSBORO, KY | | |
|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| **AMERICAN INDIAN** | | | | | | | | | |
| Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 |
| Number | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 |
| **BLACK** | | | | | | | | | |
| Percent | 68.4 | 45.6 | 65.5 | 74.6 | 65.5 | — | 35.7 | 0.0 | 65.5 |
| Number | 91 | 26 | 19 | 44 | 19 | — | 40 | 0 | 19 |
| **ORIENTAL** | | | | | | | | | |
| Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 |
| Number | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 |
| **MEXICAN AMERICAN** | | | | | | | | | |
| Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 |
| Number | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 |
| **PUERTO RICAN** | | | | | | | | | |
| Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 |
| Number | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 |
| **OTHER SPANISH SURNAME** | | | | | | | | | |
| Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 |
| Number | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 |
| **WHITE** | | | | | | | | | |
| Percent | 31.6 | 54.4 | 34.5 | 23.7 | 34.5 | — | 64.3 | 100.0 | 34.5 |
| Number | 42 | 31 | 10 | 14 | 10 | — | 72 | 13 | 10 |
| **OTHER** | | | | | | | | | |
| Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 |
| Number | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 |
| **BEST MATCHED SITE** | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

Table C2-IIIEF-2

### DISTRIBUTION OF BACKGROUND VARIABLES COHORT III ENTERING FIRST SITES IN THE RESPONSIVE EDUCATION MODEL

| | SPONSOR'S SITES | | | GOLDSBORO, NC | | | SUMTER, SC | | | OWENSBORO, KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE | | | | | | | | | | | | |
| Number | — | — | — | 133 | 57 | 29 | 59 | 29 | — | 112 | 13 | 29 |
| FALL KINDERGARTEN WRAT | | | | | | | | | | | | |
| Mean Score | 41.5 | 46.6 | — | 41.4 | 47.0 | 41.1 | 47.2 | 41.1 | — | 35.8 | 51.6 | 41.1 |
| PERCENT WITH PRESCHOOL | 80 | 55 | — | 90 | 72 | 24 | 91 | 24 | — | 57 | 69 | 24 |
| Number Responding | — | — | — | 132 | 57 | 29 | 58 | 29 | — | 112 | 13 | 29 |
| CHILDREN'S ETHNICITY | | | | | | | | | | | | |
| Percent Black | 60 | 37 | — | 68 | 46 | 66 | 76 | 66 | — | 36 | 0 | 66 |
| Percent White | 40 | 63 | — | 32 | 54 | 34 | 24 | 34 | — | 64 | 100 | 34 |
| Percent Other | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 |
| MEDIAN FAMILY INCOME | 3830 | 6039 | — | 3900 | 6266 | 3800 | 3866 | 3800 | — | 3725 | 8050 | 3800 |
| Number Responding | — | — | — | 64 | 33 | 27 | 54 | 27 | — | 61 | 13 | 27 |
| MOTHER'S EDUCATION | | | | | | | | | | | | |
| Percent H.S. Graduates | 47 | 47 | — | 64 | 50 | 38 | 46 | 38 | — | 30 | 54 | 38 |
| Number Responding | — | — | — | 64 | 32 | 24 | 50 | 24 | — | 63 | 13 | 24 |
| FEMALE HEADS OF HOUSEHOLD | | | | | | | | | | | | |
| Percent | 41 | 18 | — | 50 | 24 | 24 | 30 | 24 | — | 42 | 8 | 24 |
| BEST MATCHED SITE | | | | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

Table C2-IIIEF-3

### TEACHER BACKGROUND CHARACTERISTICS FOR COHORT III-E SITES IN RESPONSIVE EDUCATION MODEL

| | Goldsboro, NC | | Sumter, SC | | Owensboro, KY | |
|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | FT | NFT |
| YEARS OF ELEMENTARY TEACHING EXPERIENCE | | | | | | |
| Mean | 13.44 | 9.00 | 4.66 | 5.37 | 11.25 | 5.80 |
| Standard Deviation | 8.31 | 7.38 | 1.52 | 7.78 | 11.32 | 3.03 |
| N | 17 | 9 | 3 | 4 | 4 | 5 |
| YEARS IN SCHOOL | | | | | | |
| Mean | 8.36 | 3.33 | 2.33 | 3.62 | 3.75 | 4.00 |
| Standard Deviation | 12.68 | 1.50 | 1.52 | 4.30 | 2.36 | 2.36 |
| N | 18 | 9 | 3 | 4 | 4 | 6 |
| YEARS IN MODEL | | | | | | |
| Mean | 2.97 | 2.85 | 2.66 | 0 | 2.75 | .50 |
| Standard Deviation | 1.28 | 4.99 | .57 | 0 | .95 | 0 |
| N | 18 | 7 | 3 | 0 | 4 | 1 |
| TEACHER'S EDUCATION | | | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 | 0 | 0 |
| % with B.A. | 72.2 | 88.9 | 33.3 | 50 | 50 | 0 |
| % Some Graduate | 11.1 | 11.1 | 66.7 | 50 | 0 | 66.7 |
| % M.A. or More | 16.7 | 0 | 0 | 0 | 50 | 33.3 |
| N | 18 | 9 | 3 | 4 | 4 | 6 |
| TEACHER'S CERTIFICATION | | | | | | |
| % None | 0 | 0 | 0 | 0 | 0 | 0 |
| % Temporary | 0 | 0 | 0 | 0 | 25 | 16.7 |
| % Renewable/Permanent | 100 | 100 | 100 | 100 | 75 | 83.4 |
| N | 17 | 9 | 2 | 4 | 4 | 6 |
| TEACHER'S ETHNICITY | | | | | | |
| % White | 47.1 | 33.3 | 33.3 | 75 | 100 | 100 |
| % Black | 52.9 | 66.7 | 66.7 | 25 | 0 | 0 |
| % Spanish Surname | 0 | 0 | 0 | 0 | 0 | 0 |
| % Other | 0 | 0 | 0 | 0 | 0 | 0 |
| N | 17 | 9 | 3 | 4 | 4 | 6 |
| AGE IN YEARS | | | | | | |
| Mean | 36.13 | 33.0 | 27.66 | 27.25 | 36.75 | 29.83 |
| Standard Deviation | 10.11 | 7.26 | 2.08 | 7.45 | 16.21 | 5.30 |
| N | 15 | 9 | 3 | 4 | 4 | 6 |

## Table C2-IIIEF-4

## STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1974) FOR THE COHORT III ENTERING FIRST SITES IN THE RESPONSIVE EDUCATION MODEL

| | SPONSOR'S SITES | | | GOLDSBORO, NC | | | SUMTER, SC | | | OWENSBORO, KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| **TEACHER CENTERED** | 49.3 | 46.8 | — | 50.2 | 47.4 | 47.0 | 52.6 | 47.0 | — | 45.2 | 46.1 | 47.0 |
| Number | 3 | 3 | — | 18 | 8 | 4 | 3 | 4 | — | 4 | 6 | 4 |
| Local Mean Difference | 2.5 | — | — | 2.8 | — | — | 5.6 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 3.2 | — | — | 5.6 | — | — | — | — | — |
| **FLEXIBLE CLASSROOM** | 53.4 | 50.5 | — | 55.2 | 49.4 | 49.2 | 48.3 | 49.2 | — | 56.7 | 53.0 | 49.2 |
| Number | 3 | 3 | — | 18 | 9 | 4 | 3 | 4 | — | 4 | 6 | 4 |
| Local Mean Difference | 2.9 | — | — | 5.8 | — | — | — | — | — | 3.7 | — | — |
| Best Match Mean Difference | — | — | — | 6.0 | — | — | — | — | — | 7.5 | — | — |
| **INDIVIDUALIZATION** | 54.9 | 52.9 | — | 53.3 | 51.9 | 54.2 | 49.4 | 54.2 | — | 62.0 | 52.4 | 54.2 |
| Number | 3 | 3 | — | 18 | 9 | 4 | 3 | 4 | — | 4 | 6 | 4 |
| Local Mean Difference | — | — | — | — | — | — | -4.8 | — | — | 9.6 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -4.8 | — | — | 7.8 | — | — |
| **ACADEMIC (VS. EMOTIONAL) EMPHASIS** | 49.9 | 51.0 | — | 49.0 | 47.8 | 45.3 | 49.0 | 45.3 | — | 51.8 | 60.0 | 45.3 |
| Number | 3 | 3 | — | 18 | 9 | 4 | 3 | 4 | — | 4 | 6 | 4 |
| Local Mean Difference | — | — | — | — | — | — | 3.7 | — | — | -8.3 | — | — |
| Best Match Mean Difference | — | — | — | 3.7 | — | — | 3.7 | — | — | 6.4 | — | — |
| **SATISFACTION WITH SPONSOR** | 53.2 | 45.6 | — | 55.4 | 47.2 | 46.1 | 52.2 | 46.1 | — | 51.9 | 43.6 | 46.1 |
| Number | 3 | 3 | — | 18 | 5 | 4 | 3 | 4. | — | 4 | 5 | 4 |
| Local Mean Difference | 7.6 | — | — | 8.2 | — | — | 6.1 | — | — | 8.4 | — | — |
| Best Match Mean Difference | — | — | — | 9.4 | — | — | 6.1 | — | — | 5.9 | — | — |
| **BEST MATCHED SITE** | | | | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

# Table C2-IIIEF-5

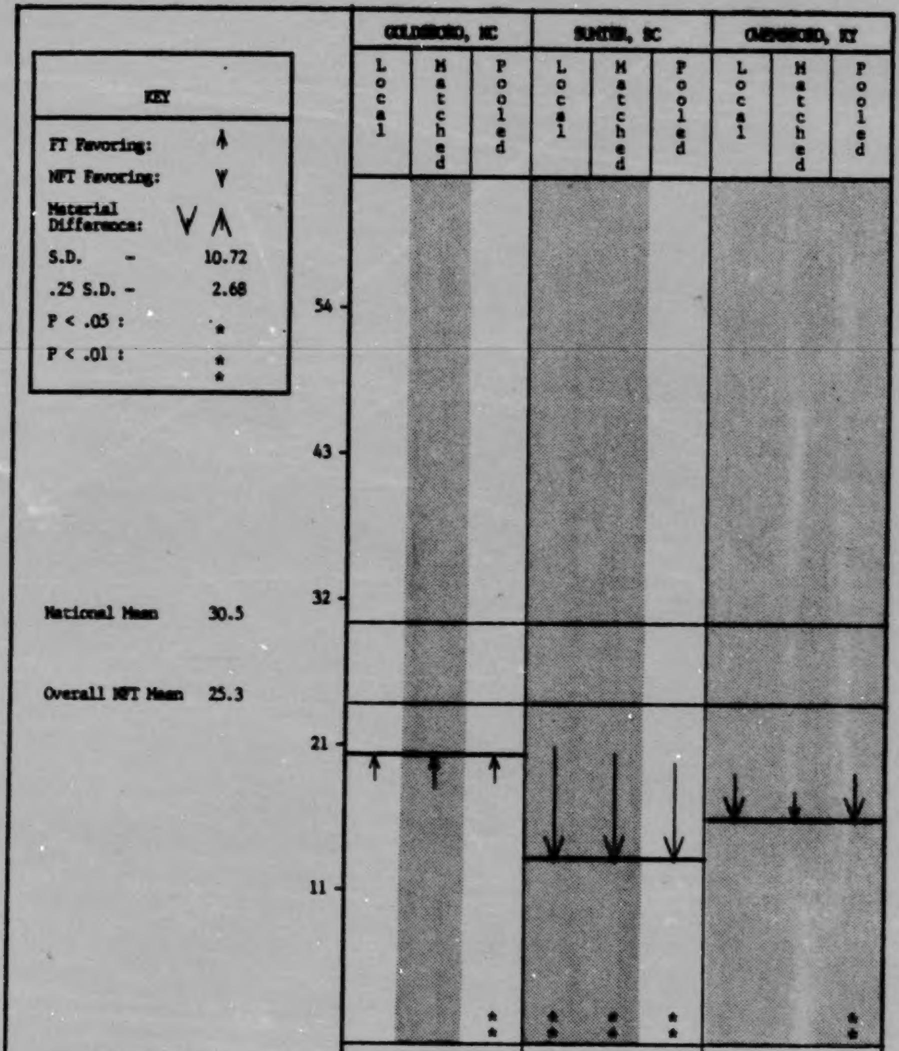
STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1974)
FOR THE COHORT III ENTERING FIRST SITES
IN THE RESPONSIVE EDUCATION MODEL

| | SPONSOR'S SITES | | | GOLDSBORO, NC | | | SUMTER, SC | | | OWENSBORO, KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 52.0 | 53.5 | — | 55.2 | 54.4 | 46.1 | 47.2 | 46.1 | — | 53.6 | 60.1 | 46.1 |
| Number | 3 | 3 | — | 42 | 20 | 18 | 38 | 18 | — | 38 | 5 | 18 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | -6.5 | — | — |
| Best Match Mean Difference | — | — | — | 9.2 | — | — | — | — | — | 7.6 | — | — |
| SCHOOL HELPED CHILD | 50.1 | 48.3 | — | 49.8 | 45.8 | 51.3 | 51.2 | 51.3 | — | 49.3 | 47.8 | 51.3 |
| Number | 3 | 3 | — | 42 | 20 | 18 | 38 | 18 | — | 38 | 5 | 18 |
| Local Mean Difference | — | — | — | 4.1 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| PAC INVOLVEMENT | 53.0 | 46.4 | — | 52.6 | 44.8 | 47.4 | 49.3 | 47.4 | — | 57.2 | 46.9 | 47.4 |
| Number | 3 | 3 | — | 39 | 15 | 18 | 37 | 18 | — | 38 | 4 | 18 |
| Local Mean Difference | 6.7 | — | — | 7.9 | — | — | — | — | — | 10.2 | — | — |
| Best Match Mean Difference | — | — | — | 5.2 | — | — | — | — | — | 9.7 | — | — |
| CHILD READS AT HOME | 50.6 | 49.1 | — | 49.8 | 51.0 | 51.3 | 50.0 | 51.3 | — | 52.1 | 45.0 | 51.3 |
| Number | 3 | 3 | — | 42 | 20 | 18 | 38 | 18 | — | 38 | 5 | 18 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | 7.1 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| CHILD'S PROG IN SCHOOL | 49.9 | 50.6 | — | 54.8 | 47.7 | 52.5 | 48.9 | 52.5 | — | 48.9 | 51.6 | 52.5 |
| Number | 3 | 3 | — | 42 | 20 | 18 | 38 | 18 | — | 38 | 5 | 18 |
| Local Mean Difference | — | — | — | 4.2 | — | — | -3.5 | — | — | -2.7 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | -3.6 | — | — |
| CHILD READ TO AT HOME | 51.6 | 49.7 | — | 50.7 | 46.7 | 49.4 | 51.9 | 49.4 | — | 52.1 | 53.0 | 49.4 |
| Number | 3 | 3 | — | 42 | 20 | 18 | 38 | 18 | — | 38 | 5 | 18 |
| Local Mean Difference | — | — | — | 4.4 | — | — | 2.5 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | 2.7 | — | — |
| PARENT VISITS TO SCHOOL | 49.2 | 47.0 | — | 48.3 | 47.0 | 46.1 | 49.4 | 46.4 | — | 49.9 | 47.8 | 46.1 |
| Number | 3 | 3 | — | 42 | 20 | 18 | 38 | 18 | — | 35 | 5 | 18 |
| Local Mean Difference | — | — | — | — | — | — | 3.3 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | 3.9 | — | — |
| CHILD'S EMOT ADJUST | 49.9 | 45.7 | — | 50.5 | 49.6 | 52.2 | 49.4 | 52.2 | — | 49.9 | 35.4 | 52.2 |
| Number | 3 | 3 | — | 42 | 20 | 18 | 38 | 18 | — | 38 | 5 | 18 |
| Local Mean Difference | 4.2 | — | — | — | — | — | -2.8 | — | — | 14.5 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| SCH HELPED WITH CHILD | 49.9 | 46.7 | — | 47.0 | 47.1 | 45.8 | 53.5 | 45.8 | — | 49.3 | 47.2 | 45.8 |
| Number | 3 | 3 | — | 42 | 20 | 18 | 38 | 18 | — | 38 | 5 | 18 |
| Local Mean Difference | 3.2 | — | — | — | — | — | 7.7 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | 3.4 | — | — |
| SCHOOL'S RECEPTIVITY | 48.0 | 50.1 | — | 48.0 | 53.2 | 47.8 | 46.9 | 47.8 | — | 49.3 | 49.4 | 47.8 |
| Number | 3 | 3 | — | 42 | 20 | 18 | 38 | 18 | — | 37 | 5 | 18 |
| Local Mean Difference | — | — | — | -5.2 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| PARENT LOCUS | 50.9 | 49.4 | — | 51.2 | 49.0 | 51.8 | 50.9 | 51.8 | — | 50.5 | 47.4 | 51.8 |
| Number | 3 | 3 | — | 42 | 20 | 18 | 38 | 18 | — | 38 | 5 | 18 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | 3.1 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| SCH HELPED PERSONALLY | 49.8 | 47.1 | — | 49.3 | 46.8 | 49.9 | 49.9 | 49.9 | — | 50.3 | 44.5 | 49.9 |
| Number | 3 | 3 | — | 42 | 20 | 18 | 38 | 18 | — | 38 | 5 | 18 |
| Local Mean Difference | 2.8 | — | — | — | — | — | — | — | — | 5.8 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| PARENT-CHILD INTERACTION | 50.1 | 49.1 | — | 49.2 | 48.4 | 51.8 | 50.3 | 51.8 | — | 50.8 | 47.0 | 51.8 |
| Number | 3 | 3 | — | 42 | 20 | 18 | 38 | 18 | — | 38 | 5 | 18 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | 3.8 | — | — |
| Best Match Mean Difference | — | — | — | -2.6 | — | — | — | — | — | — | — | — |
| BEST MATCHED SITE | | | | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

COHORT III-EF STUDY
Non-Preschool Adjusted

## Table C2-IIIEF-7

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT WORD KNOWLEDGE FOR COHORT III ENTERING FIRST SITES IN THE RESPONSIVE EDUCATION MODEL



| | GOLDSBORO, NC | | | SUMTER, SC | | | OWENSBORO, KY | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 1.91 | 2.43 | 2.06 | -8.67 | -8.00 | -7.32 | -3.47 | -2.08 | -3.60 |
| Standard Error | 1.71 | 2.40 | 0.72 | 2.40 | 1.75 | 0.86 | 3.18 | 2.44 | 0.80 |
| FT Mean | 20.99 | | | 13.15 | | | 16.21 | | |
| No. of FT Children | 133 | | | 59 | | | 112 | | |
| Matched NFT Site | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

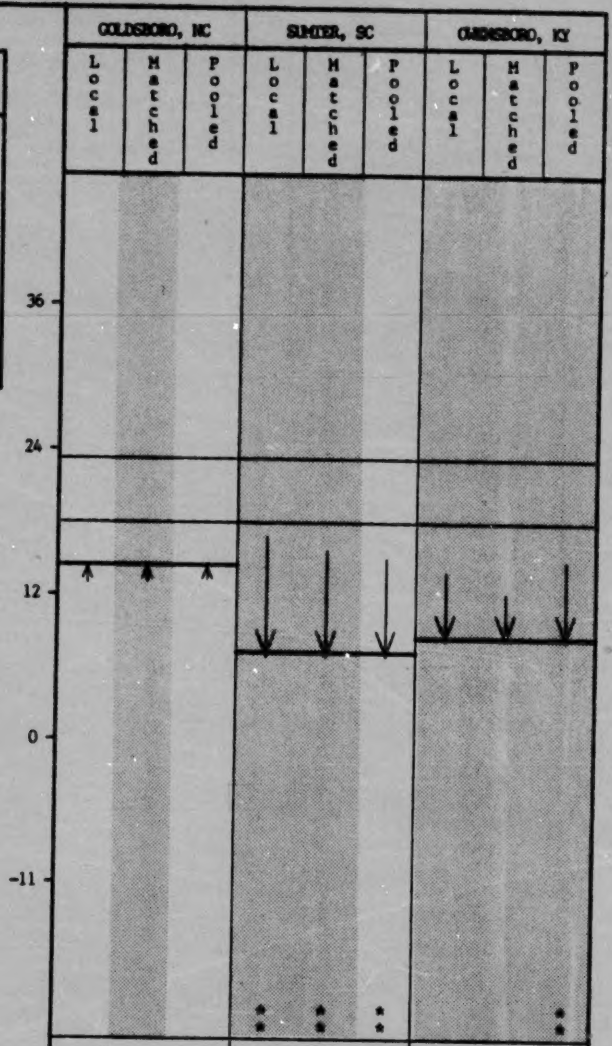
413

## Table C2-IIIEF-8

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT SPELLING FOR COHORT III ENTERING FIRST SITES IN THE RESPONSIVE EDUCATION MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. - | 12.10 |
| .25 S.D. - | 3.03 |
| P < .05 : | * |
| P < .01 : | ** |

| | |
|---|---|
| National Mean | 24.0 |
| Overall NFT Mean | 18.7 |

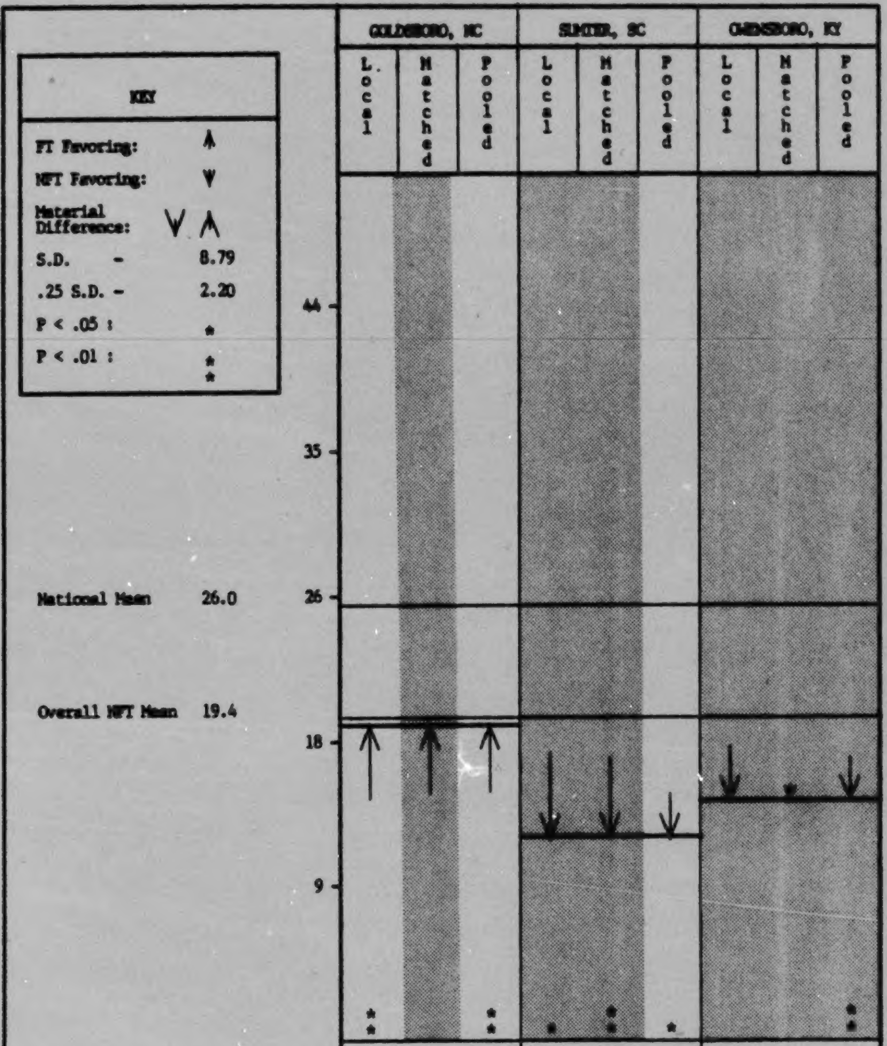


| | GOLDSBORO, NC | | | SUMTER, SC | | | OWENSBORO, KY | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 1.07 | 0.84 | 0.71 | -9.88 | -8.81 | -8.14 | -5.65 | -3.81 | -6.49 |
| Standard Error | 2.02 | 2.97 | 0.89 | 2.84 | 2.30 | 1.27 | 3.76 | 2.89 | 0.91 |
| FT Mean | 14.85 | | | 7.44 | | | 8.83 | | |
| No. of FT Children | 133 | | | 59 | | | 112 | | |
| Matched NFT Site | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

414

## Table C2-IIIEF-9

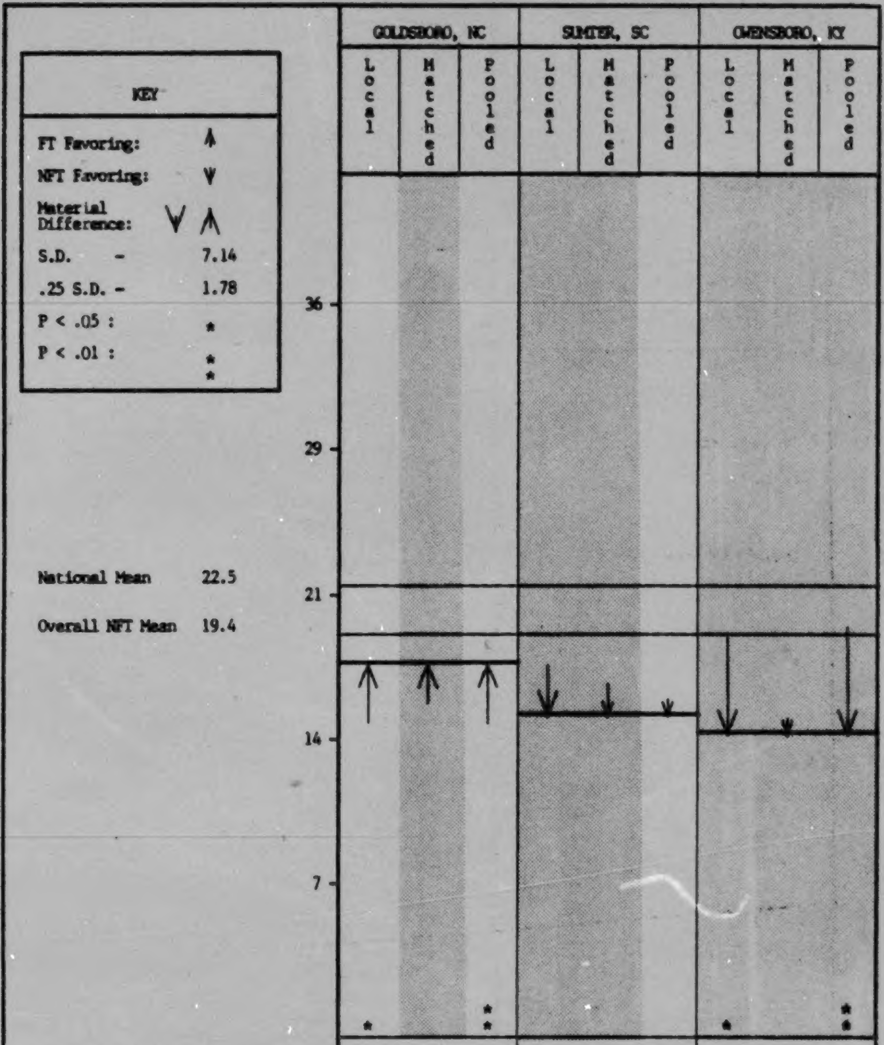
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE FOR COHORT III ENTERING FIRST SITES IN THE RESPONSIVE EDUCATION MODEL



| | GOLDSBORO, NC | | | SUMTER, SC | | | OWENSBORO, KY | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 4.37 | 4.04 | 4.13 | -5.12 | -4.83 | -2.71 | -3.32 | -0.59 | -2.57 |
| Standard Error | 1.47 | 2.19 | 0.64 | 2.07 | 1.57 | 1.29 | 2.74 | 2.12 | 0.66 |
| FT Mean | 18.81 | | | 11.98 | | | 14.22 | | |
| No. of FT Children | 133 | | | 59 | | | 112 | | |
| Matched NFT Site | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

## Table C2-IIIEF-10

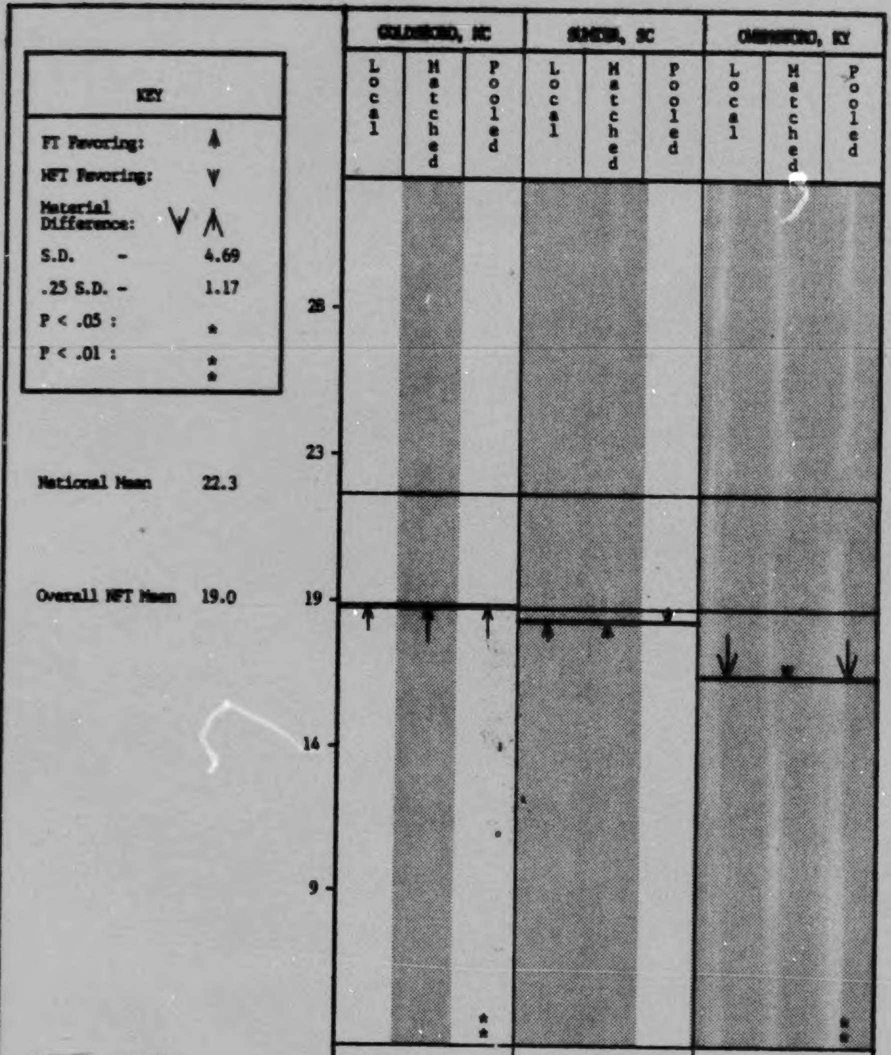
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT III ENTERING FIRST SITES IN THE RESPONSIVE EDUCATION MODEL



| | GOLDSBORO, NC Local | GOLDSBORO, NC Matched | GOLDSBORO, NC Pooled | SUMTER, SC Local | SUMTER, SC Matched | SUMTER, SC Pooled | OWENSBORO, KY Local | OWENSBORO, KY Matched | OWENSBORO, KY Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 2.99 | 1.94 | 2.90 | -2.39 | -1.57 | -0.64 | -4.95 | -0.77 | -5.28 |
| Standard Error | 1.18 | 1.76 | 0.53 | 1.66 | 1.30 | 0.77 | 2.20 | 1.75 | 0.54 |
| FT Mean | 18.23 | | | 15.73 | | | 14.78 | | |
| No. of FT Children | 133 | | | 59 | | | 112 | | |
| Matched NFT Site | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

## Table C2-IIIEF-11

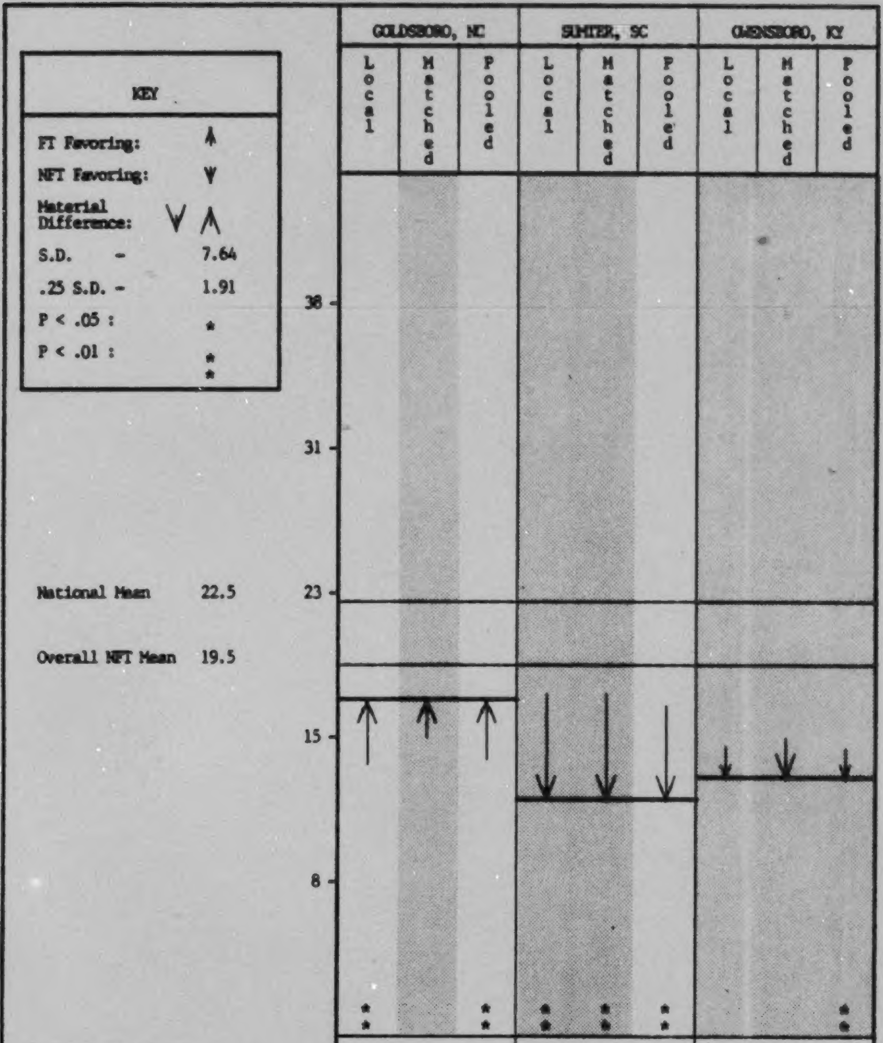
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE RAVEN S PROGRESSIVE MATRICES
FOR COHORT III ENTERING FIRST SITES
IN THE RESPONSIVE EDUCATION MODEL



| | GOLDSBORO, NC Local | GOLDSBORO, NC Matched | GOLDSBORO, NC Pooled | SUMTER, SC Local | SUMTER, SC Matched | SUMTER, SC Pooled | OWENSBORO, KY Local | OWENSBORO, KY Matched | OWENSBORO, KY Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 0.73 | 1.12 | 1.04 | 0.03 | 0.45 | -0.58 | -1.35 | -0.37 | -1.30 |
| Standard Error | 0.85 | 1.13 | 0.33 | 1.19 | 1.11 | 0.87 | 1.58 | 1.17 | 0.37 |
| FT Mean | 18.68 | | | 18.17 | | | 16.47 | | |
| No. of FT Children | 133 | | | 59 | | | 112 | | |
| Matched NFT Site | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

## Table C2-IIIEF-12

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT READING FOR COHORT III ENTERING FIRST SITES IN THE RESPONSIVE EDUCATION MODEL



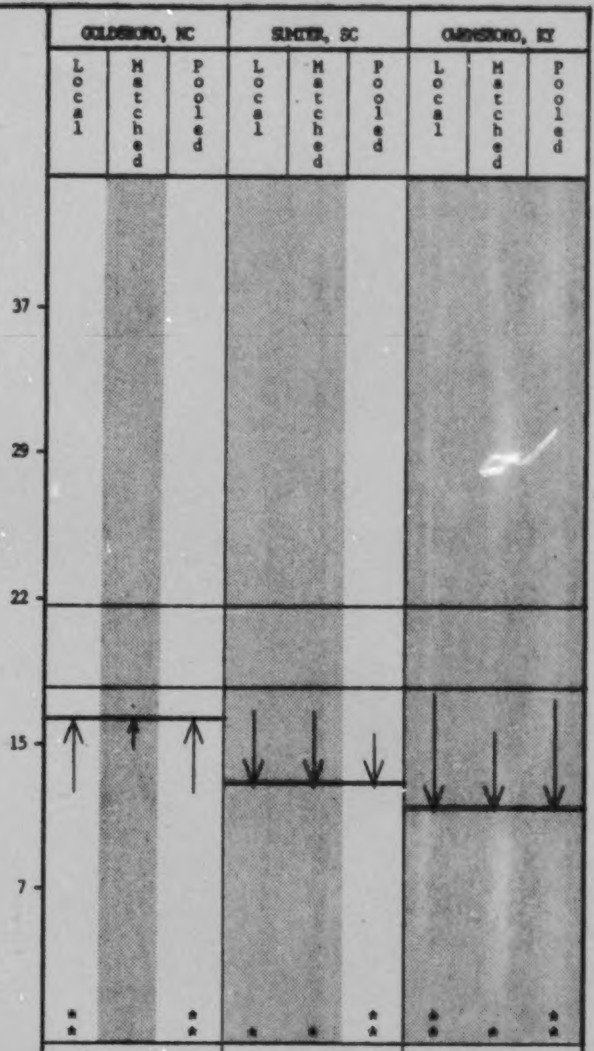
| | Goldsboro, NC Local | Goldsboro, NC Matched | Goldsboro, NC Pooled | Sumter, SC Local | Sumter, SC Matched | Sumter, SC Pooled | Owensboro, KY Local | Owensboro, KY Matched | Owensboro, KY Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 3.31 | 1.99 | 3.11 | -5.72 | -5.68 | -4.93 | -1.68 | -2.10 | -1.59 |
| Standard Error | 1.26 | 1.88 | 0.57 | 1.78 | 1.28 | 0.70 | 2.36 | 1.62 | 0.55 |
| FT Mean | 17.44 | | | 12.22 | | | 13.37 | | |
| No. of FT Children | 133 | | | 59 | | | 112 | | |
| Matched NFT Site | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

## Table C2-IIIEF-13

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS CONCEPTS FOR COHORT III ENTERING FIRST SITES IN THE RESPONSIVE EDUCATION MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⩔ ⩓ |
| S.D. - | 7.36 |
| .25 S.D. - | 1.84 |
| P < .05 : | * |
| P < .01 : | ** |



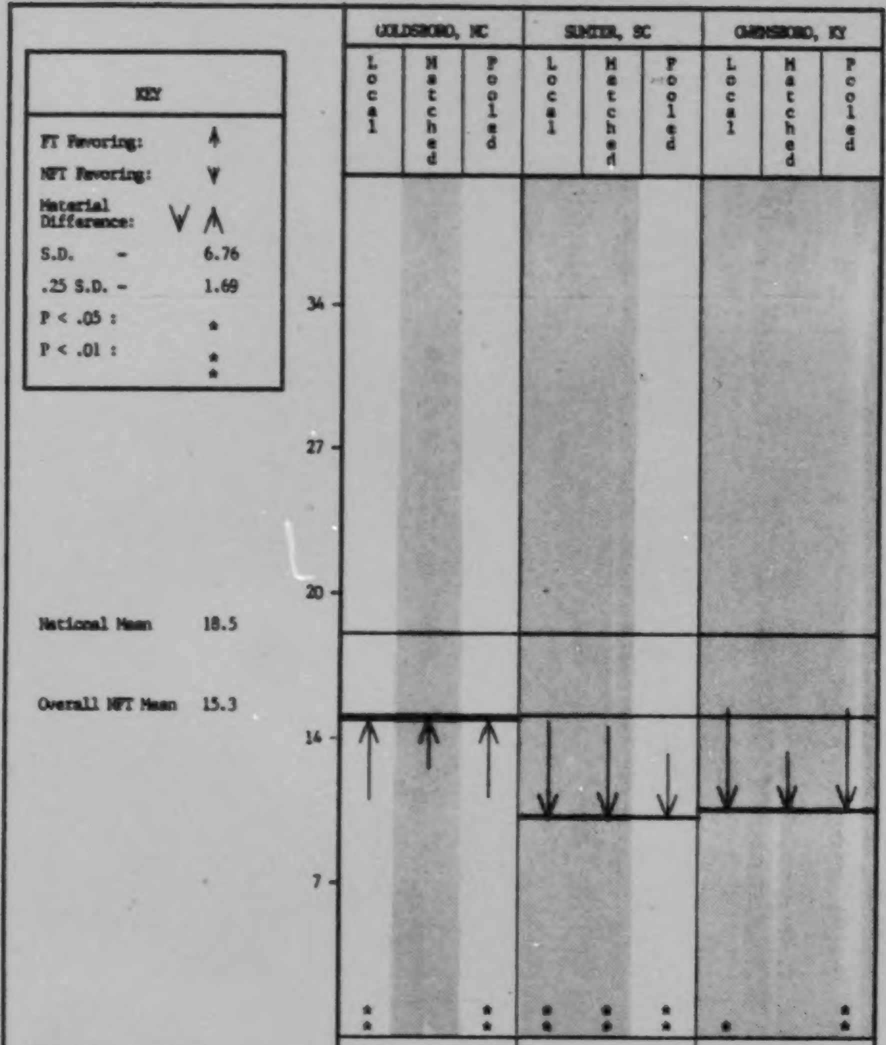
National Mean 22.0

Overall NFT Mean 18.3

| | GOLDSBORO, NC | | | SUMTER, SC | | | OWENSBORO, KY | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 3.67 | 1.47 | 3.71 | -3.93 | -3.72 | -2.65 | -5.89 | -3.95 | -5.56 |
| Standard Error | 1.16 | 1.62 | 0.46 | 1.64 | 1.46 | 0.84 | 2.17 | 1.70 | 0.54 |
| FT Mean | 16.15 | | | 12.81 | | | 11.68 | | |
| No. of FT Children | 133 | | | 59 | | | 112 | | |
| Matched NFT Site | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

## Table C2-IIIEF-14

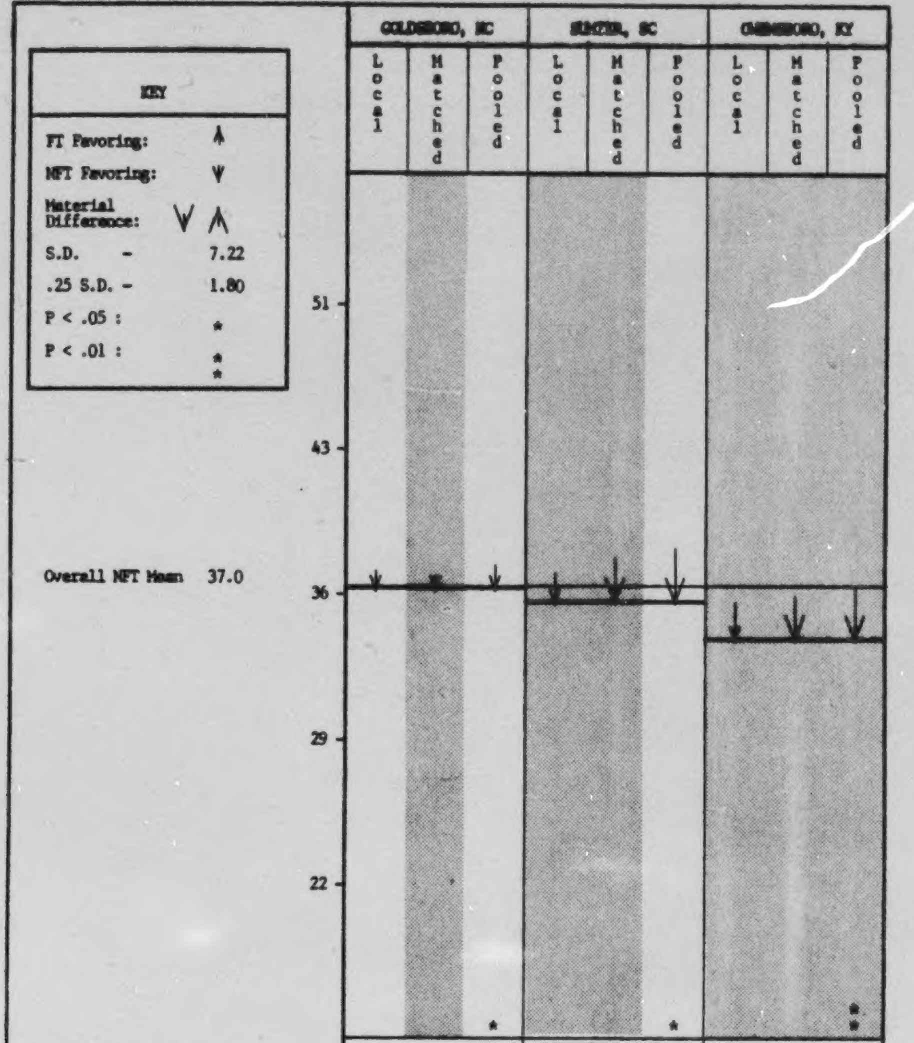
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT III ENTERING FIRST SITES IN THE RESPONSIVE EDUCATION MODEL



| | GOLDSBORO, NC | | | SUMTER, SC | | | OWENSBORO, KY | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 3.62 | 2.16 | 3.56 | -4.54 | -4.27 | -3.00 | -4.73 | -2.79 | -4.73 |
| Standard Error | 1.07 | 1.59 | 0.46 | 1.50 | 1.27 | 0.88 | 1.99 | 1.45 | 0.44 |
| FT Mean | 14.54 | | | 10.08 | | | 10.45 | | |
| No. of FT Children | 133 | | | 59 | | | 112 | | |
| Matched NFT Site | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

## Table C2-IIIEF-15

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT III ENTERING FIRST SITES IN THE RESPONSIVE EDUCATION MODEL

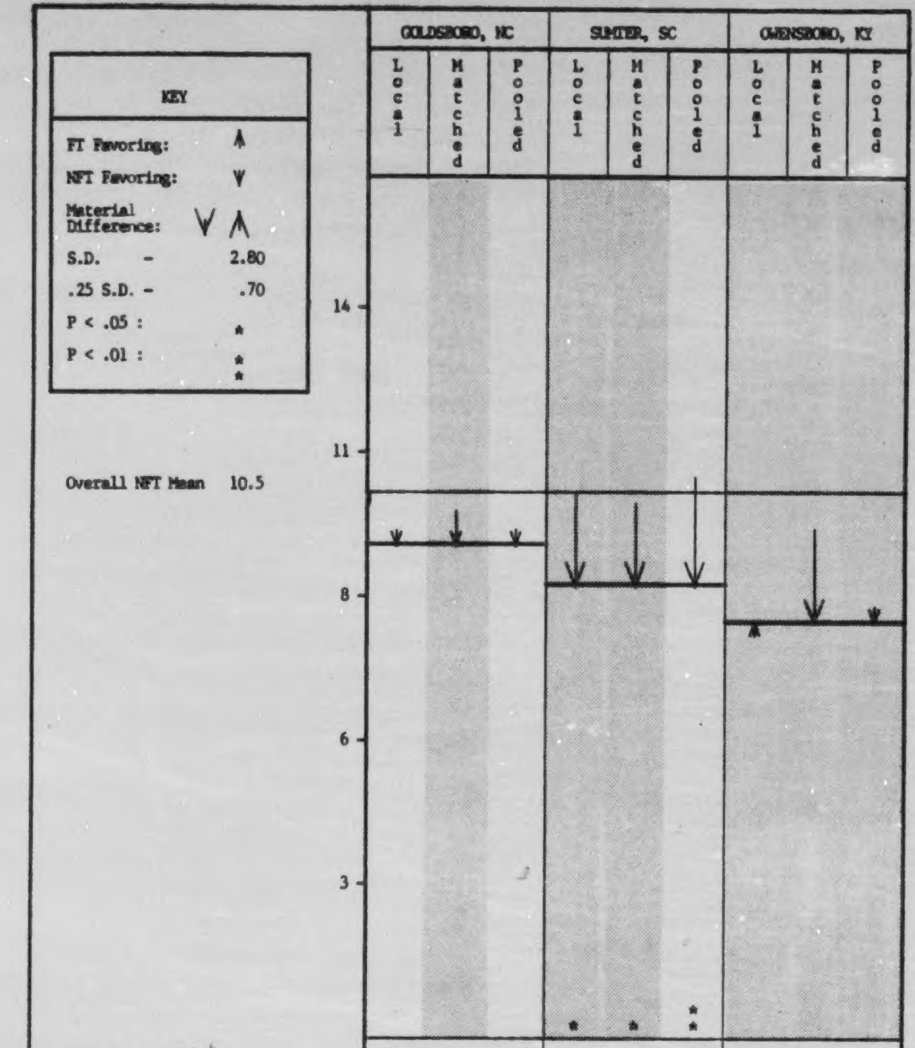


| | GOLDSBORO, NC | | | SUMTER, SC | | | OWENSBORO, KY | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.96 | -0.04 | -1.26 | -1.53 | -2.34 | -2.66 | -1.75 | -2.09 | -2.59 |
| Standard Error | 1.37 | 1.95 | 0.59 | 1.94 | 1.46 | 1.17 | 2.56 | 2.14 | 0.70 |
| FT Mean | 36.54 | | | 35.85 | | | 34.08 | | |
| No. of FT Children | 133 | | | 59 | | | 112 | | |
| Matched NFT Site | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

421

## Table C2-IIIEF-16

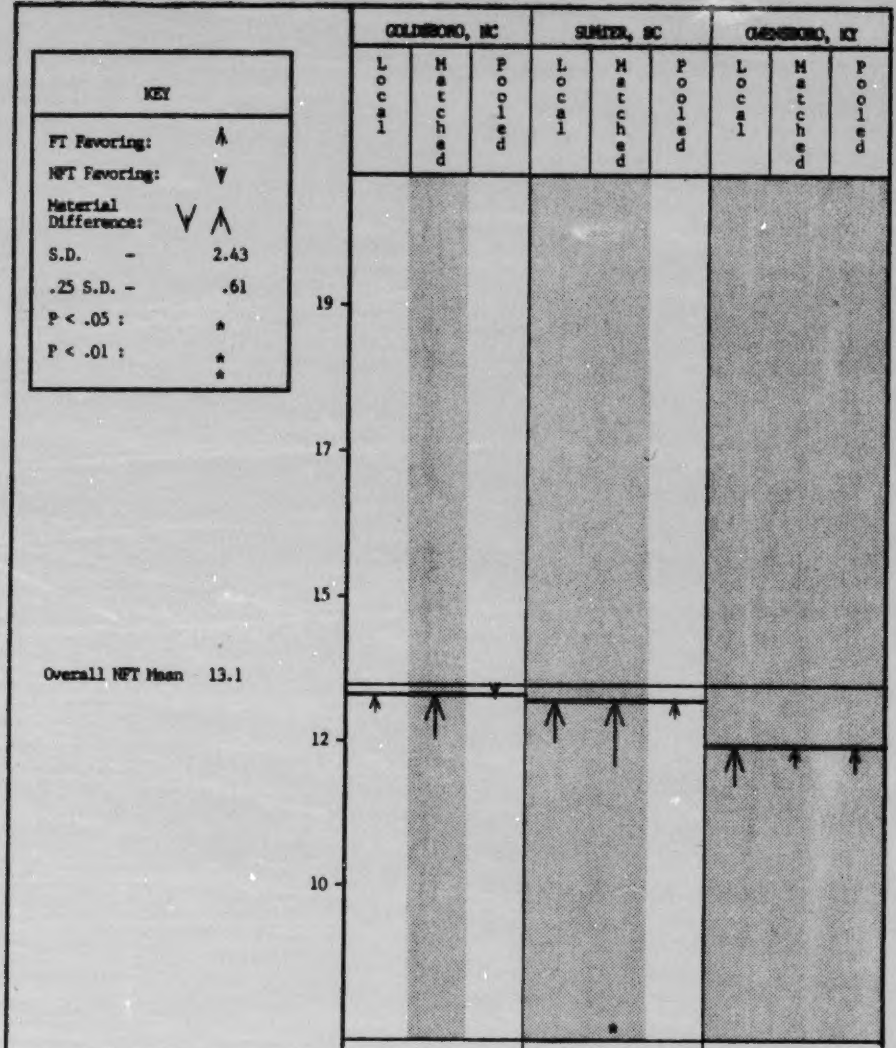
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE
FOR COHORT III ENTERING FIRST SITES
IN THE RESPONSIVE EDUCATION MODEL



| | GOLDSBORO, NC Local | GOLDSBORO, NC Matched | GOLDSBORO, NC Pooled | SUMTER, SC Local | SUMTER, SC Matched | SUMTER, SC Pooled | OWENSBORO, KY Local | OWENSBORO, KY Matched | OWENSBORO, KY Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.15 | -0.66 | -0.24 | -1.75 | -1.64 | -2.14 | 0.07 | -1.80 | -0.31 |
| Standard Error | 0.61 | 0.83 | 0.24 | 0.86 | 0.76 | 0.56 | 1.14 | 1.05 | 0.34 |
| FT Mean | | 9.46 | | | 8.68 | | | 7.96 | |
| No. of FT Children | | 133 | | | 59 | | | 112 | |
| Matched NFT Site | | Sumter, SC | | | Sumter, SC | | | Sumter, SC | |

## Table C2-IIIEF-17

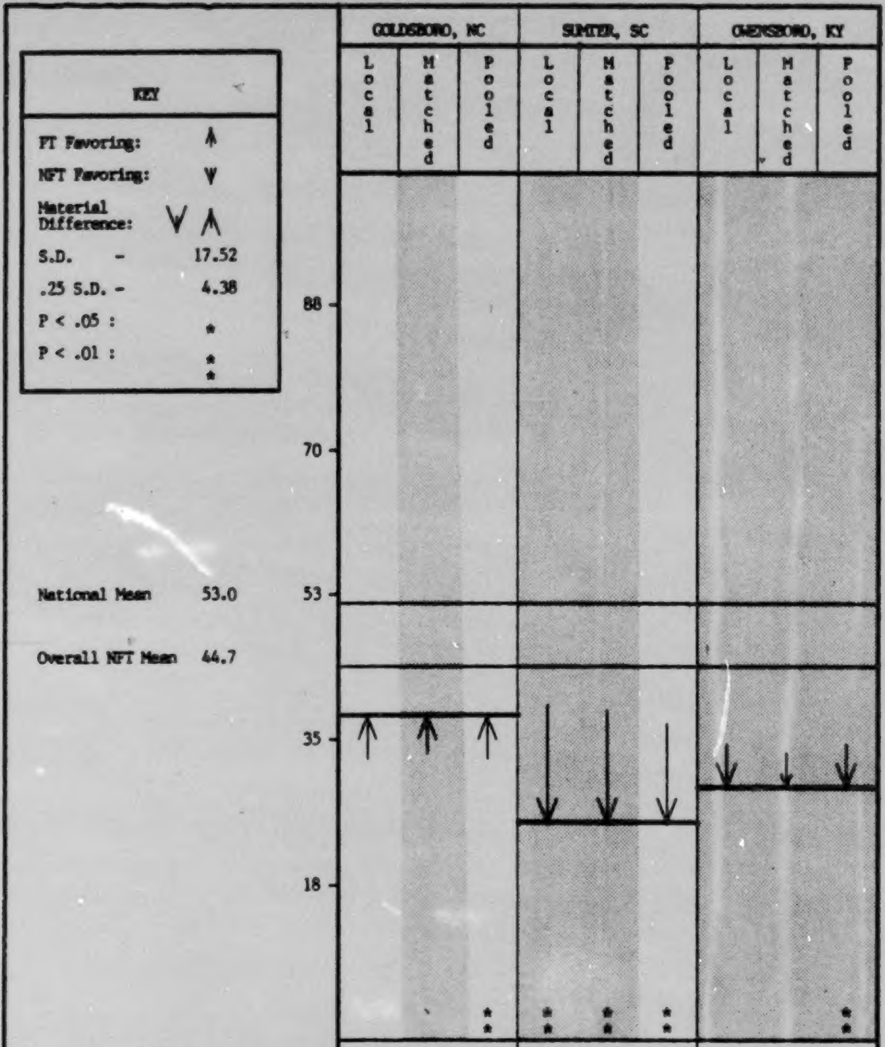
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE FOR COHORT III ENTERING FIRST SITES IN THE RESPONSIVE EDUCATION MODEL



| | GOLDSBORO, NC | | | SUMTER, SC | | | OWENSBORO, KY | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.03 | 0.71 | -0.01 | 0.69 | 1.06 | 0.29 | 0.63 | 0.29 | 0.38 |
| Standard Error | 0.51 | 0.76 | 0.23 | 0.72 | 0.53 | 0.34 | 0.96 | 0.84 | 0.27 |
| FT Mean | 12.99 | | | 12.90 | | | 12.12 | | |
| No. of FT Children | 133 | | | 59 | | | 112 | | |
| Matched NFT Site | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

## Table C2-IIIEF-18

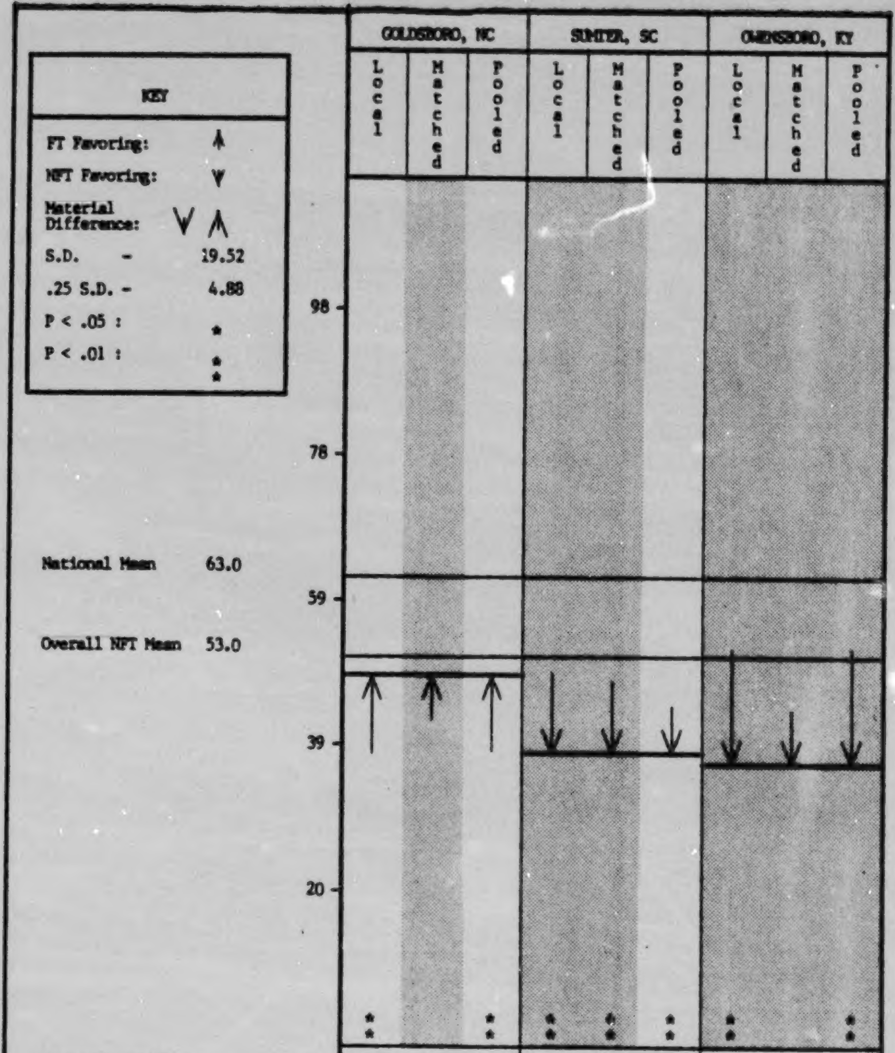
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT TOTAL READING
FOR COHORT III ENTERING FIRST SITES
IN THE RESPONSIVE EDUCATION MODEL



| | GOLDSBORO, NC Local | GOLDSBORO, NC Matched | GOLDSBORO, NC Pooled | SUMTER, SC Local | SUMTER, SC Matched | SUMTER, SC Pooled | OWENSBORO, KY Local | OWENSBORO, KY Matched | OWENSBORO, KY Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 5.22 | 4.42 | 5.17 | -14.39 | -13.68 | -12.25 | -5.15 | -4.18 | -5.19 |
| Standard Error | 2.74 | 3.93 | 1.18 | 3.86 | 2.76 | 1.36 | 5.11 | 3.70 | 1.22 |
| FT Mean | 38.42 | | | 25.37 | | | 29.57 | | |
| No. of FT Children | 133 | | | 59 | | | 112 | | |
| Matched NFT Site | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

## Table C2-IIIEF-19

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL MATH FOR COHORT III ENTERING FIRST SITES IN THE RESPONSIVE EDUCATION MODEL



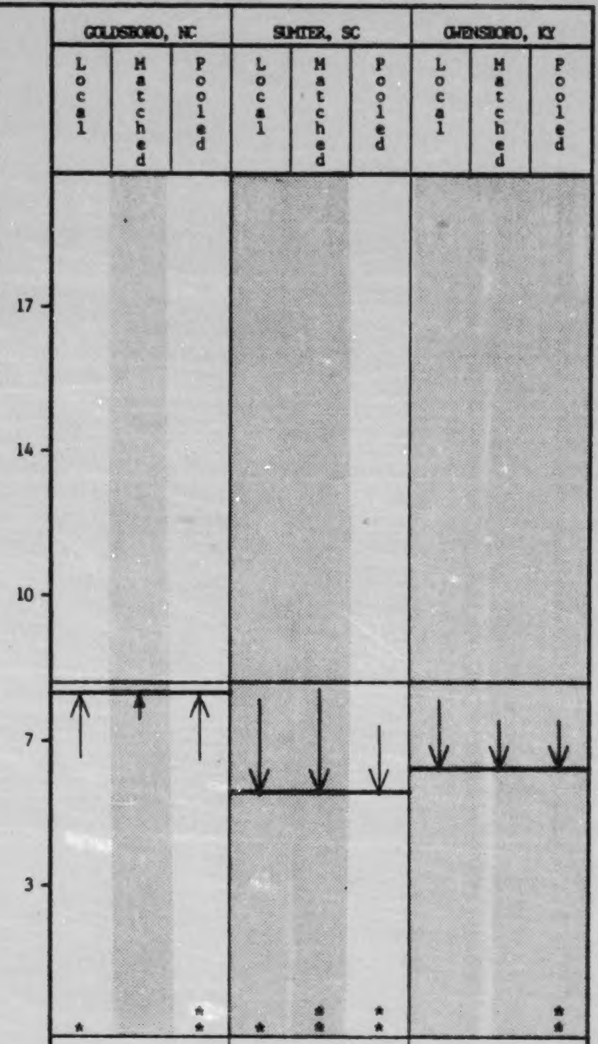
| | GOLDSBORO, NC Local | GOLDSBORO, NC Matched | GOLDSBORO, NC Pooled | SUMTER, SC Local | SUMTER, SC Matched | SUMTER, SC Pooled | OWENSBORO, KY Local | OWENSBORO, KY Matched | OWENSBORO, KY Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 10.28 | 5.57 | 10.17 | -10.86 | -9.56 | -6.29 | -15.57 | -7.50 | -15.58 |
| Standard Error | 2.98 | 4.40 | 1.28 | 4.20 | 3.43 | 2.23 | 5.56 | 4.24 | 1.31 |
| FT Mean | | 48.92 | | | 38.63 | | | 36.90 | |
| No. of FT Children | | 133 | | | 59 | | | 112 | |
| Matched NFT Site | | Sumter, SC | | | Sumter, SC | | | Sumter, SC | |

## Table C2-IIIEF-20

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT III ENTERING FIRST SITES IN THE RESPONSIVE EDUCATION MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. = | 3.38 |
| .25 S.D. = | .84 |
| P < .05 : | * |
| P < .01 : | ** |

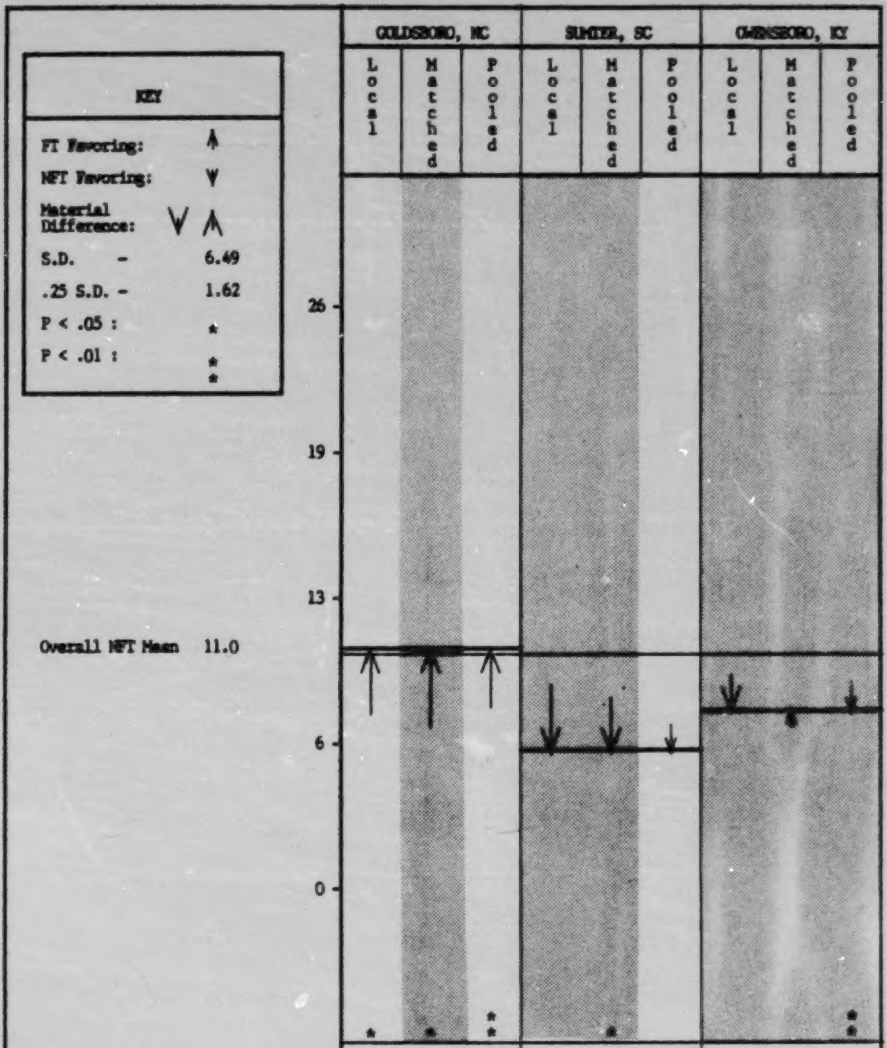
Overall NFT Mean 8.4



| | GOLDSBORO, NC | | | SUMTER, SC | | | OWENSBORO, KY | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 1.54 | 0.59 | 1.61 | -2.14 | -2.41 | -1.52 | -1.63 | -1.12 | -1.16 |
| Standard Error | 0.63 | 0.93 | 0.26 | 0.89 | 0.77 | 0.43 | 1.17 | 0.95 | 0.29 |
| FT Mean | 7.95 | | | 5.63 | | | 6.15 | | |
| No. of FT Children | 133 | | | 59 | | | 112 | | |
| Matched NFT Site | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

## Table C2-IIIEF-21

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT III ENTERING FIRST SITES IN THE RESPONSIVE EDUCATION MODEL



| | GOLDSBORO, NC | | | SUMTER, SC | | | OWENSBORO, KY | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 2.82 | 3.45 | 2.53 | -2.98 | -2.41 | -1.19 | -1.69 | 0.53 | -1.40 |
| Standard Error | 1.11 | 1.66 | 0.49 | 1.56 | 1.13 | 1.02 | 2.06 | 1.53 | 0.48 |
| FT Mean | 10.87 | | | 6.36 | | | 8.07 | | |
| No. of FT Children | 133 | | | 59 | | | 112 | | |
| Matched NFT Site | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

Table C2-IIIEF-22

STANDARDIZED SCORES FOR MAT READING, MATHEMATICS,
LANGUAGE AND SPELLING SUBTESTS
COHORT III ENTERING FIRST SITES
IN THE RESPONSIVE EDUCATION MODEL

|  |  | SPONSOR'S SITES |  |  | GOLDSBORO, NC |  |  | SUMTER, SC |  |  | OWENSBORO, KY |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | MAT NORM POPULATION | FT | NFT | Local Best Match | FT | NFT | Local Best Match | FT | NFT | Local Best Match | FT | NFT | Local Best Match |
| TOTAL READING |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Third Grade Median | 61 | 46.7 | 55.5 | — | 50.0 | 52.6 | 51.0 | 43.8 | 51.0 | — | 46.3 | 62.8 | 51.0 |
| Median Percentile | 50 | 10.0 | 30.0 | 20.0 | 16.0 | 24.0 | 20.0 | 7.0 | 20.0 | 20.0 | 9.0 | 56.0 | 20.0 |
| Grade Equivalent | 3.5 | 2.2 | 2.9 | 2.5 | 2.4 | 2.7 | 2.5 | 2.0 | 2.5 | 2.5 | 2.2 | 3.7 | 2.5 |
| 1 Year or More Below Grade Level | 20 | 69.3 | 40.1 | — | 53.4 | 45.6 | 51.7 | 81.4 | 51.7 | — | 73.2 | 23.1 | 51.7 |
| TOTAL MATHEMATICS |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Third Grade Median | 70.5 | 57.5 | 64.0 | — | 61.1 | 58.2 | 59.8 | 57.6 | 59.8 | — | 53.8 | 74.0 | 59.8 |
| Median Percentile | 50 | 14.0 | 28.0 | 18.0 | 20.0 | 14.0 | 18.0 | 14.0 | 18.0 | 18.0 | 8.0 | 62.0 | 18.0 |
| Grade Equivalent | 3.75 | 2.8 | 3.2 | 3.0 | 3.0 | 2.8 | 3.0 | 2.8 | 3.0 | 3.0 | 2.4 | 4.1 | 3.0 |
| 1 Year or More Below Grade Level | 12 | 50.8 | 30.4 | — | 39.9 | 38.6 | 44.8 | 49.2 | 44.8 | — | 63.4 | 7.7 | 44.8 |
| SPELLING |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Third Grade Median | 64 | 49.2 | 61.5 | — | 55.4 | 59.0 | 60.8 | 47.1 | 60.8 | — | 45.0 | 64.8 | 60.8 |
| Median Percentile | 50 | 13.0 | 44.0 | 40.0 | 23.0 | 36.0 | 40.0 | 10.0 | 40.0 | 40.0 | 8.0 | 54.0 | 40.0 |
| Grade Equivalent | 3.6 | 2.3 | 3.4 | 3.3 | 2.7 | 3.0 | 3.3 | 2.2 | 3.3 | 3.3 | 2.0 | 3.7 | 3.3 |
| 1 Year or More Below Grade Level | 22 | 64.4 | 34.7 | — | 47.4 | 43.9 | 44.8 | 78.0 | 44.8 | — | 67.9 | 15.4 | 44.8 |
| LANGUAGE |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Third Grade Median | 70 | 55.3 | 62.2 | — | 58.8 | 56.9 | 55.0 | 52.4 | 55.0 | — | 54.7 | 74.8 | 55.0 |
| Median Percentile | 50 | 14.0 | 30.0 | 14.0 | 23.0 | 20.0 | 14.0 | 10.0 | 14.0 | 14.0 | 14.0 | 64.0 | 14.0 |
| Grade Equivalent | 4.0 | 2.5 | 3.1 | 2.5 | 2.9 | 2.7 | 2.5 | 2.3 | 2.5 | 2.5 | 2.5 | 4.7 | 2.5 |
| 1 Year or More Below Grade Level | 14 | 72.6 | 58.6 | — | 54.9 | 61.4 | 75.9 | 89.8 | 75.9 | — | 73.2 | 38.5 | 75.9 |
| BEST MATCHED SITE |  |  |  |  | Sumter, SC |  |  | Sumter, SC |  |  | Sumter, SC |  |  |

### Table C2-IIIEF-23

### MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES USED IN THE ANALYTIC SAMPLE OF THE COHORT III ENTERING FIRST SITES IN THE RESPONSIVE EDUCATION MODEL

| | SPONSOR'S SITES | | | GOLDSBORO, NC | | | SUMTER, SC | | | OWENSBORO, KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | | | | | | | |
| Mean | 41.5 | 46.6 | — | 41.4 | 47.0 | 41.1 | 47.2 | 41.1 | — | 35.8 | 51.6 | 41.1 |
| Standard Deviation | — | — | — | 14.5 | 12.1 | 11.2 | 10.4 | 11.2 | — | 12.2 | 10.5 | 11.2 |
| HIGHEST OCCUPATION IN HOUSE | | | | | | | | | | | | |
| Mean | 13.8 | 14.6 | — | 14.1 | 14.3 | 14.4 | 13.8 | 14.4 | — | 13.5 | 14.9 | 14.4 |
| Standard Deviation | — | — | — | 2.6 | 2.2 | 2.5 | 2.1 | 2.5 | — | 1.6 | 2.0 | 2.5 |
| FAMILY INCOME IN DOLLARS | | | | | | | | | | | | |
| Mean | 4553 | 6384 | — | 4900 | 6636 | 5278 | 4568 | 5278 | — | 4190 | 7238 | 5278 |
| Standard Deviation | — | — | — | 3221 | 2615 | 3349 | 2795 | 3349 | — | 2735 | 3034 | 3349 |
| MISSING INCOME INFORMATION | | | | | | | | | | | | |
| No. Missing | — | — | — | 69 | 24 | 2 | 5 | 2 | — | 51 | 0 | 2 |
| Valid Cases | — | — | — | 64 | 33 | 27 | 54 | 27 | — | 61 | 13 | 27 |
| ETHNIC MEMBERSHIP/RACE | | | | | | | | | | | | |
| Percent White | 40 | 63 | — | 32 | 54 | 34 | 24 | 34 | — | 64 | 100 | 34 |
| Percent Black | 60 | 37 | — | 68 | 46 | 66 | 76 | 66 | — | 36 | 0 | 66 |
| SEX Percent Female | 52 | 58 | — | 47 | 42 | 62 | 54 | 62 | — | 56 | 69 | 62 |
| ENTRY AGE IN MONTHS | | | | | | | | | | | | |
| Mean | 65.1 | 66.1 | — | 65.4 | 68.1 | 65.1 | 66.6 | 65.1 | — | 63.4 | 65.0 | 65.1 |
| Standard Deviation | — | — | — | 4.5 | 5.7 | 4.1 | 4.9 | 4.1 | — | 4.1 | 4.0 | 4.1 |
| FIRST LANGUAGE | | | | | | | | | | | | |
| Percent English | 100 | 100 | — | 100 | 100 | 100 | 100 | 100 | — | 100 | 100 | 100 |
| BEST MATCHED SITE | | | | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

## Table C2-IIIEF-24

## MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES COHORT III ENTERING FIRST SITES IN THE RESPONSIVE EDUCATION MODEL

| | ALL SITES | | SPONSOR'S SITES | | | GOLDSBORO, NC | | | SUMTER, SC | | | OWENSBORO, KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | | |
| Mean | 37.22 | 44.67 | 31.12 | 42.75 | — | 38.42 | 38.67 | 37.28 | 25.37 | 37.28 | — | 29.57 | 52.31 | 37.28 |
| Standard Deviation | | | — | — | — | 21.66 | 18.40 | 15.06 | 12.02 | 15.06 | — | 14.42 | 20.01 | 15.06 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | |
| Mean | 50.31 | 53.89 | 41.48 | 53.56 | — | 48.92 | 44.79 | 46.03 | 38.63 | 46.03 | — | 36.90 | 69.85 | 46.03 |
| Standard Deviation | | | — | — | — | 23.09 | 17.71 | 18.58 | 13.06 | 18.58 | — | 15.71 | 20.51 | 18.58 |
| LANGUAGE | | | | | | | | | | | | | | |
| Mean | 18.99 | 19.06 | 15.01 | 19.25 | — | 18.81 | 17.09 | 15.83 | 11.98 | 15.83 | — | 14.22 | 24.85 | 15.83 |
| Standard Deviation | | | — | — | — | 10.55 | 7.66 | 9.58 | 4.71 | 9.58 | — | 7.39 | 10.87 | 9.58 |
| SPELLING | | | | | | | | | | | | | | |
| Mean | 14.99 | 18.88 | 10.37 | 19.07 | — | 14.85 | 16.67 | 15.38 | 7.44 | 15.38 | — | 8.83 | 25.15 | 15.38 |
| Standard Deviation | | | — | — | — | 13.93 | 13.35 | 12.66 | 9.23 | 12.66 | — | 11.06 | 10.53 | 12.66 |
| RAVEN'S PROGRESSIVE MAT. | | | | | | | | | | | | | | |
| Mean | 17.72 | 19.03 | 17.78 | 19.62 | — | 18.68 | 19.51 | 17.59 | 18.17 | 17.59 | — | 16.47 | 21.77 | 17.59 |
| Standard Deviation | | | — | — | — | 5.29 | 4.69 | 5.49 | 5.09 | 5.49 | — | 4.39 | 4.40 | 5.49 |
| COOPERSMITH'S SELF-EST. | | | | | | | | | | | | | | |
| Mean | 35.42 | 36.73 | 35.49 | 38.26 | — | 36.54 | 38.54 | 36.86 | 35.85 | 36.86 | — | 34.08 | 39.38 | 36.86 |
| Standard Deviation | | | — | — | — | 7.35 | 6.25 | 5.72 | 6.27 | 5.72 | — | 7.66 | 6.12 | 5.72 |
| IARS-LOCUS NEGATIVE | | | | | | | | | | | | | | |
| Mean | 9.79 | 10.42 | 8.70 | 9.83 | — | 9.46 | 10.12 | 10.21 | 8.68 | 10.21 | — | 7.96 | 9.15 | 10.21 |
| Standard Deviation | | | — | — | — | 2.97 | 2.26 | 3.33 | 2.80 | 3.33 | — | 3.57 | 2.94 | 3.33 |
| IARS-LOCUS POSITIVE | | | | | | | | | | | | | | |
| Mean | 12.87 | 12.69 | 12.67 | 12.63 | — | 12.98 | 13.23 | 12.14 | 12.90 | 12.14 | — | 12.12 | 12.54 | 12.14 |
| Standard Deviation | | | — | — | — | 2.74 | 1.98 | 2.33 | 2.01 | 2.33 | — | 2.92 | 2.47 | 2.33 |
| WORD KNOWLEDGE | | | | | | | | | | | | | | |
| Mean | 20.79 | 25.29 | 16.78 | 24.26 | — | 20.98 | 22.19 | 20.34 | 13.15 | 20.34 | — | 16.21 | 30.23 | 20.34 |
| Standard Deviation | | | — | — | — | 12.86 | 11.61 | 9.89 | 7.49 | 9.89 | — | 9.47 | 11.74 | 9.89 |
| READING | | | | | | | | | | | | | | |
| Mean | 16.44 | 19.38 | 14.34 | 18.49 | — | 17.44 | 16.47 | 16.93 | 12.22 | 16.93 | — | 13.37 | 22.08 | 16.93 |
| Standard Deviation | | | — | — | — | 9.58 | 7.46 | 5.73 | 5.57 | 5.73 | — | 6.15 | 8.98 | 5.73 |
| MATH COMPUTATIONS | | | | | | | | | | | | | | |
| Mean | 19.70 | 19.93 | 16.24 | 19.53 | — | 18.23 | 17.00 | 16.66 | 15.73 | 16.66 | — | 14.78 | 24.92 | 16.66 |
| Standard Deviation | | | — | — | — | 8.25 | 6.44 | 7.09 | 4.46 | 7.09 | — | 6.26 | 7.19 | 7.09 |
| MATH CONCEPTS | | | | | | | | | | | | | | |
| Mean | 16.67 | 18.31 | 13.55 | 18.14 | — | 16.15 | 14.84 | 15.59 | 12.81 | 15.59 | — | 11.68 | 24.00 | 15.59 |
| Standard Deviation | | | — | — | — | 8.30 | 7.10 | 6.80 | 6.24 | 6.80 | — | 6.24 | 7.42 | 6.80 |
| MATH PROBLEM SOLVING | | | | | | | | | | | | | | |
| Mean | 13.94 | 15.66 | 11.69 | 15.89 | — | 14.54 | 12.95 | 13.79 | 10.08 | 13.79 | — | 10.45 | 20.92 | 13.79 |
| Standard Deviation | | | — | — | — | 7.89 | 6.04 | 6.34 | 4.68 | 6.34 | — | 5.21 | 7.18 | 6.34 |
| LANGUAGE PART A | | | | | | | | | | | | | | |
| Mean | 7.92 | 8.27 | 6.58 | 8.16 | — | 7.95 | 7.18 | 7.38 | 5.63 | 7.38 | — | 6.15 | 9.92 | 7.38 |
| Standard Deviation | | | — | — | — | 3.62 | 3.00 | 3.98 | 2.77 | 3.98 | — | 3.48 | 4.19 | 3.98 |
| LANGUAGE PART B | | | | | | | | | | | | | | |
| Mean | 11.07 | 10.79 | 8.43 | 11.09 | — | 10.86 | 9.91 | 8.45 | 6.36 | 8.45 | — | 8.07 | 14.92 | 8.45 |
| Standard Deviation | | | — | — | — | 7.93 | 5.90 | 6.58 | 3.37 | 6.58 | — | 5.06 | 7.30 | 6.58 |
| BEST MATCH SITE | | | | | | Sumter, SC | | | Sumter, SC | | | Sumter, SC | | |

Table C2-IIIEF-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-EF LOCAL ANALYSES FOR THE RESPONSIVE EDUCATION MODEL

CODE

**FEW** = Fall Entering WRAT
**NOFEW** = Missing WRAT
**NOOCCUP** = Missing Occupation
**SEX** = Sex
**ETH1** = White vs. Black
**OCCUP** = Occupation
**ENTAGE** = Entry Age
**INCOME** = Income
**NOINC** = Missing Income

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .78143059 | .72973598E-01 |
| NOFEW | -10.770338 | 16.978933 |
| NOOCCUP | -7.0072680 | 4.3333557 |
| SEX | .41444782 | 1.7102290 |
| ETH1 | 2.3905901 | .97266898 |
| OCCUP | .65918111 | .41703895 |
| ENTAGE | -.33945836 | .18841750 |
| INCOME | .39095962E-03 | .33829855E-03 |
| NOINC | 2.6862524 | 4.3110747 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .83731392 | .79387932E-01 |
| NOFEW | -3.7581319 | 18.471371 |
| NOOCCUP | -6.6975334 | 4.7142551 |
| SEX | -.52781955E-01 | 1.8605505 |
| ETH1 | 2.8095064 | 1.0581660 |
| OCCUP | .36628692 | .45369841 |
| ENTAGE | -.15588879 | .20497929 |
| INCOME | .35870703E-03 | .33539747E-03 |
| NOINC | 4.1860466 | 4.6900155 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .54180884 | .53737971E-01 |
| NOFEW | -1.8974941 | 12.503336 |
| NOOCCUP | -5.2891558 | 3.1910958 |
| SEX | 1.4572136 | 1.2594132 |
| ETH1 | .83039422 | .71627628 |
| OCCUP | .29926664 | .30710870 |
| ENTAGE | -.33048884 | .13875120 |
| INCOME | .17185102E-03 | .22703173E-03 |
| NOINC | 2.7428154 | 3.1746880 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .31657686 | .39200371E-01 |
| NOFEW | 3.4001346 | 9.1208395 |
| NOOCCUP | -2.7669926 | 2.3279166 |
| SEX | -.44641893E-01 | .91870728 |
| ETH1 | 1.4016181 | .52250393 |
| OCCUP | .18056936 | .22402734 |
| ENTAGE | -.39511424E-01 | .10121518 |
| INCOME | .17433793E-03 | .16561340E-03 |
| NOINC | 1.1262984 | 2.3158475 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .15982416 | .22546666E-01 |
| NOFEW | 3.8343312 | 5.2459840 |
| NOOCCUP | -2.0742307 | 1.3398777 |
| SEX | -.64135732 | .52840701 |
| ETH1 | 1.1695575 | .30052571 |
| OCCUP | .78652430E-01 | .12885240 |
| ENTAGE | -.38883050E-01 | .54215300E-01 |
| INCOME | .15612983E-03 | .95254066E-04 |
| NOINC | 1.5053625 | 1.3319935 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .14114287 | .36628782E-01 |
| NOFEW | 5.2169517 | 8.5224974 |
| NOOCCUP | -.10224617 | 2.1751090 |
| SEX | .77665425 | .95843857 |
| ETH1 | .23922385 | .48922672 |
| OCCUP | .14308272 | .20933078 |
| ENTAGE | -.49372577E-01 | .94575300E-01 |
| INCOME | .19780016E-03 | .15474889E-03 |
| NOINC | -.77963398 | 2.1639241 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .36432372E-01 | .13689104E-01 |
| NOFEW | .58390760 | 3.1850749 |
| NOOCCUP | .13948969E-01 | .81289340 |
| SEX | .79992408E-01 | .32082041 |
| ETH1 | .12691912 | .18246279 |
| OCCUP | .10890137 | .78232259E-01 |
| ENTAGE | -.26594714E-01 | .35345205E-01 |
| INCOME | .26069291E-04 | .57833611E-04 |
| NOINC | -.50228005 | .80871370 |

## Table C2-IIIEF-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .45449713E-01 | .16343976E-01 |
| NOFEW | 1.9271755 | 3.8027900 |
| NOOCCUP | .18476267 | .97054637 |
| SEX | -.24106728 | .38304049 |
| ETHI | .31375446 | .21784972 |
| OCCUP | .68807128E-01 | .93404664E-01 |
| ENTAGE | .12262871E-01 | .42200072E-01 |
| INCOME | .20567714E-04 | .65049802E-04 |
| NOINC | -.60844455 | .96555605 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .48199722 | .45460517E-01 |
| NOFEW | -6.4859738 | 10.577402 |
| NOOCCUP | -4.3262653 | 2.6995598 |
| SEX | .57401065 | 1.0654212 |
| ETHI | 1.4608118 | .60594546 |
| OCCUP | .33190833 | .25980364 |
| ENTAGE | -.28454230 | .11737885 |
| INCOME | .22904103E-03 | .19206121E-03 |
| NOINC | 1.3342259 | 2.6856793 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .29943337 | .33652194E-01 |
| NOFEW | -4.2843641 | 7.8299325 |
| NOOCCUP | -3.5560027 | 1.9983598 |
| SEX | -.15556084 | .79867916 |
| ETHI | .92077832 | .44855188 |
| OCCUP | .32727278 | .19231990 |
| ENTAGE | -.54916063E-01 | .86089814E-01 |
| INCOME | .16101959E-03 | .14217351E-03 |
| NOINC | 1.3520265 | 1.9880768 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .29672772 | .31031671E-01 |
| NOFEW | -1.3126943 | 7.2201956 |
| NOOCCUP | -1.8749088 | 1.8427351 |
| SEX | -.61471808E-01 | .72726269 |
| ETHI | 1.4320154 | .41362200 |
| OCCUP | .13574817 | .17734346 |
| ENTAGE | -.58417170E-01 | .80123481E-01 |
| INCOME | .11474885E-03 | .13110209E-03 |
| NOINC | 1.0059816 | 1.8332602 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .29463594 | .31436933E-01 |
| NOFEW | 2.1473008 | 7.3145028 |
| NOOCCUP | -3.3316165 | 1.8668041 |
| SEX | -.34317492 | .73676189 |
| ETHI | .31276931 | .41902456 |
| OCCUP | .63101333E-01 | .17965985 |
| ENTAGE | -.59737640E-01 | .81170021E-01 |
| INCOME | .95620538E-04 | .13281449E-03 |
| NOINC | 2.8942147 | 1.8572055 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .24610326 | .28398806E-01 |
| NOFEW | -4.5927383 | 6.6076358 |
| NOOCCUP | -1.4960081 | 1.6863979 |
| SEX | .35176477 | .66556188 |
| ETHI | 1.0647217 | .37853040 |
| OCCUP | .16745142 | .16229768 |
| ENTAGE | -.37733979E-01 | .73365823E-01 |
| INCOME | .14873764E-03 | .11979402E-03 |
| NOINC | .28565036 | 1.6777268 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .10873483 | .16747524E-01 |
| NOFEW | -.60202720 | 3.8966851 |
| NOOCCUP | -.65303731 | .99451024 |
| SEX | .13464536 | .39249819 |
| ETHI | .50975949 | .22322867 |
| OCCUP | .70680972E-02 | .95710928E-01 |
| ENTAGE | -.43308572E-01 | .43242623E-01 |
| INCOME | .74685079E-04 | .70754810E-04 |
| NOINC | .79740062 | .98939670 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .20854263 | .29490858E-01 |
| NOFEW | 4.0115618 | 6.8617050 |
| NOOCCUP | -2.1139552 | 1.7512413 |
| SEX | -.18178725 | .69115330 |
| ETHI | .89225864 | .39308522 |
| OCCUP | .17350126 | .16853816 |
| ENTAGE | .38071487E-02 | .76145263E-01 |
| INCOME | .09652852E-04 | .12459273E-03 |
| NOINC | .32809783 | 1.7422368 |

Table C3-IIIK-1

### ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT III KINDERGARTEN SITES IN THE TEEM MODEL

| | | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHITA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | 5.2 | 0.0 | 2.3 | 0.0 |
| | Number | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 4 | 0 | 1 | 0 |
| BLACK | Percent | 30.8 | 0.0 | 6.9 | 66.7 | 38.1 | 58.6 | 62.0 | 60.5 | 87.5 | 97.7 | 97.3 | 83.3 | 8.5 | 5.3 | 0.0 | 48.2 | 29.6 | 58.6 |
| | Number | 12 | 0 | 5 | 18 | 16 | 17 | 44 | 23 | 21 | 42 | 36 | 15 | 10 | 5 | 0 | 27 | 13 | 17 |
| ORIENTAL | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 0.0 | 1.1 | 1.3 | 0.0 | 2.3 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 |
| MEXICAN AMERICAN | Percent | 0.0 | 1.3 | 34.7 | 7.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 0.9 | 1.1 | 2.6 | 8.9 | 2.3 | 0.0 |
| | Number | 0 | 1 | 25 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 5 | 1 | 0 |
| PUERTO RICAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25.4 | 2.6 | 8.3 | 2.3 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | 1.4 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| WHITE | Percent | 69.2 | 97.4 | 56.9 | 25.9 | 59.5 | 41.4 | 12.7 | 36.8 | 4.2 | 0.0 | 0.0 | 0.0 | 88.1 | 92.5 | 90.9 | 42.9 | 63.6 | 41.4 |
| | Number | 27 | 74 | 41 | 7 | 25 | 12 | 9 | 14 | 1 | 0 | 0 | 0 | 104 | 87 | 70 | 24 | 28 | 12 |
| OTHER | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BEST MATCHED SITE | | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

Table C3-IIIK-2

**DISTRIBUTION OF BACKGROUND VARIABLES
COHORT III KINDERGARTEN CHILDREN
FOR THE TEEM MODEL**

| | SPONSOR'S SITES | | | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHATA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE Number | — | — | — | 39 | 76 | 75 | 27 | 43 | 29 | 71 | 38 | 24 | 43 | 37 | 18 | 118 | 94 | 77 | 56 | 44 | 29 |
| FALL KINDERGARTEN WRAT Mean Score | 30.0 | 34.7 | — | 25.4 | 36.1 | 27.7 | 30.5 | 35.8 | 27.6 | 26.3 | 29.6 | 26.3 | 34.0 | 30.0 | 30.3 | 34.2 | 36.5 | 34.3 | 29.7 | 40.1 | 27.6 |
| PERCENT WITH PRESCHOOL | 68 | 38 | — | 71 | 20 | 32 | 48 | 48 | 13 | 96 | 34 | 29 | 86 | 41 | 17 | 28 | 31 | 36 | 79 | 56 | 13 |
| Number Responding | — | — | — | 38 | 64 | 75 | 27 | 33 | 24 | 71 | 38 | 24 | 43 | 32 | 12 | 118 | 93 | 58 | 56 | 41 | 24 |
| CHILDREN'S ETHNICITY | | | | | | | | | | | | | | | | | | | | | |
| Percent Black | 52 | 38 | — | 31 | 0 | 7 | 67 | 38 | 59 | 62 | 61 | 88 | 98 | 97 | 83 | 8 | 5 | 0 | 48 | 30 | 59 |
| Percent White | 40 | 58 | — | 69 | 97 | 57 | 26 | 60 | 41 | 13 | 37 | 4 | 0 | 0 | 0 | 88 | 93 | 91 | 43 | 64 | 41 |
| Percent Other | 8 | 3 | — | 0 | 3 | 36 | 7 | 2 | 0 | 25 | 3 | 8 | 2 | 3 | 17 | 3 | 2 | 9 | 9 | 7 | 0 |
| MEDIAN FAMILY INCOME | 5203 | 7891 | — | 5200 | 9220 | 5250 | 4799 | 9800 | 6200 | 4733 | 5799 | 4400 | 5033 | 5050 | 4500 | 6150 | 9175 | 8100 | 5300 | 8299 | 6200 |
| Number Responding | — | — | — | 28 | 54 | 71 | 24 | 30 | 21 | 68 | 38 | 24 | 34 | 27 | 10 | 35 | 41 | 54 | 26 | 38 | 21 |
| MOTHER'S EDUCATION Percent H.S. Graduates | 49 | 65 | — | 54 | 81 | 35 | 30 | 55 | 36 | 40 | 54 | 25 | 47 | 50 | 40 | 74 | 78 | 71 | 46 | 70 | 36 |
| Number Responding | — | — | — | 26 | 54 | 71 | 23 | 31 | 22 | 67 | 37 | 24 | 34 | 28 | 10 | 35 | 40 | 55 | 26 | 37 | 22 |
| FEMALE HEADS OF HOUSEHOLD Percent | 30 | 29 | — | 18 | 0 | 11 | 29 | 39 | 29 | 49 | 45 | 50 | 34 | 59 | 30 | 26 | 12 | 24 | 22 | 18 | 29 |
| BEST MATCHED SITE | | | | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

## Table C3-IIIK-3

## TEACHER BACKGROUND CHARACTERISTICS FOR COHORT III-K SITES IN TEEM MODEL

| | Chicasha, OK | | Des Moines, IA | | Lakewood, NJ | | Newark, NJ | | Lincoln, NB | | Wichita, KS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| YEARS OF ELEMENTARY TEACHING EXPERIENCE | | | | | | | | | | | | |
| Mean | 13.00 | 13.50 | 13.33 | 10.05 | 7.00 | 4.57 | 3.50 | 9.28 | 3.90 | 28.25 | 5.00 | 9.00 |
| Standard Deviation | 13.44 | 11.13 | 4.16 | 8.18 | 5.21 | 4.57 | 2.12 | 5.76 | 1.59 | 13.51 | 3.87 | 6.51 |
| N | 4 | 8 | 3 | 9 | 8 | 7 | 2 | 7 | 10 | 16 | 0 | 15 |
| YEARS IN SCHOOL | | | | | | | | | | | | |
| Mean | 3.83 | 7.25 | 5.25 | 4.83 | 6.75 | 2.85 | 3.00 | 8.00 | 2.80 | 10.87 | 3.40 | 6.50 |
| Standard Deviation | 3.81 | 3.80 | 2.50 | 3.33 | 3.73 | 2.79 | 1.41 | 4.72 | 1.22 | 8.34 | 2.70 | 4.25 |
| N | 3 | 8 | 4 | 9 | 8 | 7 | 2 | 7 | 10 | 16 | 5 | 15 |
| YEARS IN MODEL | | | | | | | | | | | | |
| Mean | 4.00 | 0.50 | 3.16 | 6.25 | 3.37 | 4.00 | 3.00 | 0.50 | 2.70 | 7.60 | 2.20 | 0.50 |
| Standard Deviation | 1.41 | 0 | 2.36 | 8.13 | 2.06 | 0 | 1.41 | 0 | 1.16 | 11.62 | 0.83 | 0 |
| N | 4 | 1 | 3 | 2 | 8 | 1 | 2 | 1 | 10 | 5 | 5 | 2 |
| TEACHER'S EDUCATION | | | | | | | | | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % with B.A. | 50.0 | 0 | 0 | 66.7 | 62.5 | 71.4 | 100.0 | 33.3 | 20.0 | 25.0 | 40.0 | 26.7 |
| % Some Graduate | 25.0 | 75.0 | 50.0 | 22.2 | 37.5 | 28.6 | 0 | 50.0 | 60.0 | 18.8 | 60.0 | 26.7 |
| % M.A. or More | 25.0 | 25.0 | 50.0 | 11.1 | 0 | 0 | 0 | 16.7 | 20.0 | 56.3 | 0 | 46.7 |
| N | 4 | 8 | 4 | 9 | 8 | 7 | 2 | 6 | 10 | 16 | 5 | 15 |
| TEACHER'S CERTIFICATION | | | | | | | | | | | | |
| % None | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Temporary | 0 | 0 | 0 | 0 | 0 | 0 | 100.0 | 0 | 10.0 | 0 | 0 | 0 |
| % Renewable/Permanent | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 0 | 100.0 | 90.0 | 100.0 | 100.0 | 100.0 |
| N | 4 | 7 | 4 | 9 | 8 | 7 | 1 | 7 | 10 | 16 | 5 | 15 |
| TEACHER'S ETHNICITY | | | | | | | | | | | | |
| % White | 75.0 | 100.0 | 75.0 | 88.9 | 50.0 | 85.7 | 0 | 28.6 | 90.0 | 100.0 | 80.0 | 66.7 |
| % Black | 25.0 | 0 | 25.0 | 11.1 | 33.3 | 14.3 | 100.0 | 71.4 | 10.0 | 0 | 20.0 | 33.3 |
| % Spanish Surname | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Other | 0 | 0 | 0 | 0 | 16.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N | 4 | 7 | 4 | 9 | 6 | 7 | 2 | 7 | 10 | 14 | 5 | 15 |
| AGE IN YEARS | | | | | | | | | | | | |
| Mean | 39.25 | 41.28 | 44.66 | 39.88 | 38.0 | 27.50 | 22.0 | 36.42 | 33.0 | 52.25 | 35.80 | 34.53 |
| Standard Deviation | 14.31 | 7.95 | 10.40 | 12.64 | 7.25 | 8.14 | 0 | 11.66 | 6.86 | 10.93 | 5.80 | 9.88 |
| N | 4 | 7 | 3 | 9 | 8 | 6 | 1 | 7 | 10 | 16 | 5 | 15 |

### Table C3-IIIK-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1975)
### FOR THE COHORT III KINDERGARTEN SITES
### IN THE TEEM MODEL

| | SPONSOR'S SITES | | | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHITA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 44.1 | 50.0 | — | 43.7 | 50.2 | 48.9 | 41.6 | 46.6 | 53.3 | 43.1 | 56.9 | 56.8 | 51.1 | 50.8 | 53.3 | 44.3 | 49.3 | 52.3 | 40.5 | 45.9 | 53.3 |
| Number | 6 | 6 | — | 4 | 7 | 7 | 4 | 9 | 7 | 8 | 7 | 6 | 2 | 7 | 1 | 10 | 16 | 9 | 5 | 15 | 7 |
| Local Mean Difference | -5.9 | — | — | -6.5 | — | — | -5.1 | — | — | -13.8 | — | — | — | — | — | -5.0 | — | — | -5.4 | — | — |
| Best Match Mean Difference | — | — | — | -5.2 | — | — | -11.7 | — | — | -13.7 | — | — | — | — | — | -8.0 | — | — | -12.8 | — | — |
| FLEXIBLE CLASSROOM | 60.8 | 47.8 | — | 62.6 | 42.5 | 46.7 | 63.5 | 49.8 | 53.1 | 59.3 | 51.0 | 44.7 | 60.7 | 43.6 | 55.2 | 61.8 | 49.0 | 46.2 | 56.7 | 50.8 | 53.1 |
| Number | 6 | 6 | — | 4 | 7 | 7 | 4 | 9 | 7 | 8 | 7 | 6 | 2 | 7 | 1 | 10 | 16 | 9 | 5 | 15 | 7 |
| Local Mean Difference | 13.0 | — | — | 20.1 | — | — | 13.7 | — | — | 8.4 | — | — | 17.2 | — | — | 12.9 | — | — | 5.9 | — | — |
| Best Match Mean Difference | — | — | — | 15.8 | — | — | 10.4 | — | — | 14.6 | — | — | 5.5 | — | — | 15.7 | — | — | 3.6 | — | — |
| INDIVIDUALIZATION | 60.5 | 49.3 | — | 64.6 | 43.4 | 57.0 | 58.9 | 52.5 | 47.8 | 60.6 | 55.7 | 46.1 | 55.4 | 45.8 | 48.4 | 62.3 | 48.7 | 47.4 | 61.4 | 50.0 | 47.8 |
| Number | 6 | 6 | — | 4 | 8 | 7 | 4 | 9 | 7 | 8 | 7 | 6 | 2 | 7 | 1 | 10 | 16 | 9 | 5 | 15 | 7 |
| Local Mean Difference | 11.2 | — | — | 21.3 | — | — | 6.3 | — | — | 4.9 | — | — | 9.6 | — | — | 13.6 | — | — | 11.4 | — | — |
| Best Match Mean Difference | — | — | — | 7.6 | — | — | 11.1 | — | — | 14.5 | — | — | 7.0 | — | — | 14.9 | — | — | 13.6 | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 50.1 | 51.3 | — | 58.4 | 45.4 | 56.9 | 62.6 | 44.3 | 46.3 | 42.9 | 58.1 | 50.7 | 44.1 | 49.2 | — | 45.8 | 57.0 | 50.3 | 46.5 | 53.9 | 46.3 |
| Number | 6 | 6 | — | 4 | 8 | 7 | 4 | 9 | 7 | 8 | 6 | 6 | 2 | 7 | 0 | 10 | 16 | 9 | 5 | 15 | 7 |
| Local Mean Difference | — | — | — | 13.0 | — | — | 18.3 | — | — | -15.3 | — | — | -5.0 | — | — | -11.1 | — | — | -7.4 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 16.3 | — | — | -7.9 | — | — | — | — | — | -4.5 | — | — | — | — | — |
| SATISFACTION WITH SPONSOR | 54.5 | 46.9 | — | 48.4 | 39.5 | 46.8 | 52.6 | 44.7 | 42.4 | 58.7 | 65.3 | 51.0 | 53.1 | 41.7 | — | 56.3 | 44.8 | 44.7 | 58.2 | 45.2 | 42.4 |
| Number | 6 | 6 | — | 4 | 7 | 2 | 4 | 5 | 5 | 8 | 1 | 2 | 2 | 5 | 0 | 10 | 13 | 5 | 5 | 9 | 5 |
| Local Mean Difference | 7.7 | — | — | 8.8 | — | — | 7.9 | — | — | -6.6 | — | — | 11.4 | — | — | 11.5 | — | — | 13.0 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 10.2 | — | — | 7.7 | — | — | — | — | — | 11.6 | — | — | 15.8 | — | — |
| BEST MATCHED SITE | | | | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

## Table C3-IIIK-5

### STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1975)
### FOR THE COHORT III KINDERGARTEN SITES
### IN THE TEEM MODEL

| | SPONSOR'S SITES | | | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHITA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| TALKS WITH TEACHER | 49.9 | 50.7 | — | 53.3 | 47.7 | 51.1 | 48.1 | 51.5 | 47.7 | 49.9 | 49.5 | 48.6 | 54.1 | 48.3 | 45.9 | 50.8 | 53.7 | 54.2 | 43.2 | 53.8 | 47.7 |
| Number | 6 | 6 | — | 30 | 32 | 37 | 26 | 27 | 26 | 31 | 26 | 23 | 33 | 27 | 13 | 32 | 32 | 34 | 29 | 20 | 26 |
| Local Mean Difference | — | — | — | 5.6 | — | — | -3.3 | — | — | — | — | — | 5.7 | — | — | -2.9 | — | — | -10.6 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | 8.2 | — | — | -3.4 | — | — | -4.5 | — | — |
| SCHOOL HELPED CHILD | 51.6 | 49.5 | — | 51.8 | 48.2 | 49.8 | 50.7 | 49.1 | 45.2 | 51.8 | 51.1 | 44.8 | 52.8 | 51.9 | 42.9 | 52.7 | 50.1 | 47.6 | 49.7 | 46.9 | 45.2 |
| Number | 6 | 6 | — | 30 | 32 | 37 | 26 | 27 | 26 | 31 | 26 | 23 | 33 | 27 | 13 | 32 | 32 | 34 | 29 | 20 | 26 |
| Local Mean Difference | — | — | — | 3.6 | — | — | — | — | — | — | — | — | — | — | — | 2.6 | — | — | 2.8 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 5.5 | — | — | 7.1 | — | — | 9.8 | — | — | 5.1 | — | — | 4.5 | — | — |
| PAC INVOLVEMENT | 52.7 | 45.7 | — | 48.5 | 43.5 | 48.2 | 52.9 | 46.4 | 44.9 | 49.0 | 44.0 | 43.1 | 54.3 | 47.7 | 45.9 | 56.4 | 47.5 | 47.0 | 55.3 | 45.3 | 44.9 |
| Number | 6 | 6 | — | 30 | 31 | 33 | 25 | 27 | 24 | 28 | 23 | 22 | 33 | 24 | 13 | 32 | 31 | 31 | 29 | 19 | 24 |
| Local Mean Difference | 7.0 | — | — | 5.0 | — | — | 6.5 | — | — | 5.0 | — | — | 6.6 | — | — | 8.9 | — | — | 10.0 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 8.0 | — | — | 5.9 | — | — | 8.5 | — | — | 9.4 | — | — | 10.4 | — | — |
| CHILD READS AT HOME | 49.6 | 50.7 | — | 48.4 | 50.3 | 51.0 | 49.9 | 50.8 | 52.1 | 51.0 | 50.0 | 50.2 | 48.8 | 52.6 | 52.7 | 49.3 | 51.5 | 52.1 | 50.4 | 49.2 | 52.1 |
| Number | 6 | 6 | — | 30 | 32 | 37 | 26 | 27 | 26 | 31 | 26 | 23 | 33 | 27 | 13 | 32 | 32 | 34 | 29 | 20 | 26 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | -3.8 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -2.7 | — | — | — | — | — | — | — | — | -3.9 | — | — | -2.8 | — | — | — | — | — |
| CHILD'S PROG IN SCHOOL | 49.9 | 51.1 | — | 48.8 | 50.4 | 45.5 | 53.2 | 51.2 | 47.6 | 46.9 | 46.7 | 42.1 | 52.0 | 51.4 | 49.0 | 49.9 | 51.5 | 50.6 | 48.7 | 55.5 | 47.6 |
| Number | 6 | 6 | — | 30 | 32 | 37 | 26 | 27 | 26 | 31 | 26 | 23 | 33 | 27 | 13 | 32 | 32 | 34 | 29 | 20 | 26 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | -6.8 | — | — |
| Best Match Mean Difference | — | — | — | 3.3 | — | — | 5.7 | — | — | 4.8 | — | — | 3.0 | — | — | — | — | — | — | — | — |
| CHILD READ TO AT HOME | 47.7 | 50.0 | — | 47.0 | 45.1 | 48.9 | 46.1 | 51.2 | 48.9 | 47.0 | 51.1 | 47.6 | 50.6 | 50.5 | 51.5 | 45.4 | 52.0 | 52.2 | 50.4 | 50.1 | 48.9 |
| Number | 6 | 6 | — | 30 | 32 | 37 | 26 | 27 | 26 | 31 | 26 | 23 | 33 | 27 | 13 | 32 | 32 | 34 | 29 | 20 | 26 |
| Local Mean Difference | — | — | — | — | — | — | -5.1 | — | — | -4.2 | — | — | — | — | — | -6.7 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -2.8 | — | — | — | — | — | — | — | — | -6.8 | — | — | — | — | — |
| PARENT VISITS TO SCHOOL | 49.6 | 48.2 | — | 48.6 | 46.2 | 46.3 | 49.6 | 48.6 | 49.2 | 47.5 | 46.0 | 50.4 | 51.7 | 51.4 | 48.5 | 51.2 | 43.3 | 49.1 | 48.6 | 48.5 | 49.2 |
| Number | 6 | 6 | — | 30 | 32 | 37 | 26 | 27 | 26 | 31 | 26 | 23 | 33 | 27 | 13 | 32 | 32 | 34 | 29 | 20 | 26 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 2.9 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | -2.9 | — | — | 3.2 | — | — | — | — | — | — | — | — |
| CHILD'S ENVT ADJUST | 50.6 | 46.9 | — | 49.1 | 45.4 | 53.8 | 49.5 | 45.4 | 46.9 | 52.6 | 45.8 | 49.2 | 52.7 | 51.5 | 44.8 | 50.7 | 45.3 | 43.7 | 49.1 | 47.9 | 46.9 |
| Number | 6 | 6 | — | 30 | 32 | 37 | 26 | 27 | 26 | 31 | 26 | 23 | 33 | 27 | 13 | 32 | 32 | 34 | 29 | 20 | 26 |
| Local Mean Difference | 3.7 | — | — | 3.7 | — | — | 4.1 | — | — | 6.8 | — | — | — | — | — | 5.4 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -4.8 | — | — | 2.6 | — | — | 3.4 | — | — | 7.9 | — | — | 7.0 | — | — | — | — | — |
| SCH HELPED WITH CHILD | 50.0 | 46.0 | — | 50.3 | 44.0 | 47.4 | 50.8 | 48.4 | 40.7 | 46.3 | 46.8 | 46.5 | 52.8 | 45.6 | 44.4 | 50.1 | 47.1 | 44.1 | 49.8 | 44.2 | 40.7 |
| Number | 6 | 6 | — | 30 | 32 | 37 | 26 | 27 | 26 | 31 | 26 | 23 | 33 | 27 | 13 | 32 | 32 | 34 | 29 | 20 | 26 |
| Local Mean Difference | 4.0 | — | — | 6.3 | — | — | — | — | — | — | — | — | 7.2 | — | — | 2.9 | — | — | 5.6 | — | — |
| Best Match Mean Difference | — | — | — | 2.8 | — | — | 10.1 | — | — | — | — | — | 6.4 | — | — | 5.9 | — | — | 9.1 | — | — |
| SCHOOL'S RECEPTIVITY | 50.6 | 48.2 | — | 48.6 | 44.4 | 49.6 | 48.5 | 47.9 | 47.5 | 49.7 | 47.1 | 47.7 | 52.4 | 48.6 | 49.8 | 55.2 | 51.6 | 48.5 | 49.5 | 49.8 | 47.5 |
| Number | 6 | 6 | — | 30 | 32 | 37 | 26 | 27 | 26 | 31 | 26 | 23 | 33 | 27 | 13 | 32 | 32 | 34 | 29 | 20 | 26 |
| Local Mean Difference | — | — | — | 4.2 | — | — | — | — | — | 2.6 | — | — | 3.7 | — | — | 3.6 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | 2.6 | — | — | 6.7 | — | — | — | — | — |
| PARENT LOCUS | 48.0 | 47.9 | — | 46.4 | 44.5 | 50.5 | 50.7 | 48.1 | 53.5 | 50.1 | 52.2 | 51.3 | 51.0 | 52.0 | 50.7 | 45.1 | 44.8 | 46.9 | 44.5 | 45.7 | 53.5 |
| Number | 6 | 6 | — | 30 | 32 | 37 | 26 | 27 | 26 | 31 | 26 | 23 | 33 | 27 | 13 | 32 | 32 | 34 | 29 | 20 | 26 |
| Local Mean Difference | — | — | — | — | — | — | 2.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -4.1 | — | — | -2.8 | — | — | — | — | — | — | — | — | — | — | — | -9.0 | — | — |
| SCH HELPED PERSONALLY | 49.2 | 48.0 | — | 49.7 | 48.3 | 47.9 | 50.0 | 47.1 | 48.8 | 47.3 | 48.7 | 47.3 | 50.7 | 48.5 | 45.7 | 50.3 | 50.4 | 47.0 | 47.5 | 45.1 | 48.8 |
| Number | 6 | 6 | — | 30 | 32 | 37 | 26 | 27 | 26 | 31 | 26 | 23 | 33 | 27 | 13 | 32 | 32 | 34 | 29 | 20 | 26 |
| Local Mean Difference | — | — | — | — | — | — | 2.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | 5.0 | — | — | 3.3 | — | — | — | — | — |
| PARENT-CHILD INTERACTION | 51.2 | 50.4 | — | 49.4 | 52.4 | 43.5 | 51.8 | 50.7 | 49.0 | 50.4 | 49.3 | 47.7 | 55.2 | 55.3 | 53.7 | 50.1 | 46.2 | 49.9 | 50.5 | 48.8 | 49.0 |
| Number | 6 | 6 | — | 30 | 32 | 37 | 26 | 27 | 26 | 31 | 26 | 23 | 33 | 27 | 13 | 32 | 32 | 34 | 29 | 20 | 26 |
| Local Mean Difference | — | — | — | -3.0 | — | — | — | — | — | — | — | — | — | — | — | 4.0 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 5.9 | — | — | 2.8 | — | — | 2.6 | — | — | — | — | — | — | — | — | — | — | — |
| BEST MATCHED SITE | | | | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C3-IIIK-6

## PROPORTION OF ATTRITION AND DESCRIPTIVE INFORMATION FOR TEEM MODEL

| | | Chicasha, OK | | Des Moines, IA | | Lakewood, NJ | | Newark NJ | | Lincoln NB | | Wichita KS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| NUMBER | | | | | | | | | | | | | |
| **Total Registration** | N | 154 | 157 | 141 | 162 | 137 | 91 | 120 | 142 | 278 | 286 | 246 | 150 |
| **Children Retained (Analytic Sample)** | N | 39 | 76 | 27 | 43 | 71 | 38 | 43 | 37 | 118 | 94 | 56 | 44 |
| **Children Not Retained (Program and Sample Attrition)** | N | 115 | 81 | 114 | 119 | 66 | 53 | 77 | 105 | 160 | 192 | 190 | 106 |
| | %* | 75 | 52 | 81 | 74 | 48 | 58 | 64 | 74 | 58 | 67 | 77 | 71 |
| **Children Not Retained (Sample Attrition)** | N | 7 | 5 | 6 | 6 | 6 | 9 | 1 | 7 | 22 | 24 | 6 | 26 |
| | %* | 5 | 3 | 4 | 4 | 4 | 10 | 1 | 5 | d | 8 | 2 | 17 |
| WRAT | | | | | | | | | | | | | |
| Total Registration | | | | | | | | | | | | | |
| Mean | | 26.0 | 32.9 | 31.7 | 33.6 | 25.8 | 28.2 | 27.6 | 26.8 | 32.5 | 37.2 | 29.1 | 34.6 |
| Standard Deviation | | 14.0 | 12.4 | 13.5 | 14.0 | 12.2 | 13.3 | 13.4 | 12.6 | 13.7 | 13.5 | 12.8 | 16.1 |
| Number | | 129 | 137 | 97 | 124 | 119 | 78 | 108 | 111 | 256 | 259 | 203 | 129 |
| Children Retained (Analytic Sample) Mean | | 25.4 | 36.1 | 30.5 | 35.8 | 26.3 | 29.6 | 34.0 | 30.0 | 34.2 | 36.5 | 29.7 | 40.1 |
| Standard Deviation | | 11.9 | 12.4 | 14.3 | .2.2 | 11.9 | 11.4 | 11.5 | 13.6 | 13.5 | 13.3 | 12.5 | 15.1 |
| Number | | 35 | 74 | 24 | 42 | 70 | 36 | 42 | 37 | 110 | 91 | 51 | 44 |
| Children Not Retained (Program and Sample Attrition) Mean | | 26.2 | 29.0 | 32.1 | 32.4 | 25.1 | 27.0 | 23.5 | 25.2 | 31.3 | 37.5 | 28.8 | 31.8 |
| Standard Deviation | | 14.8 | 11.3 | 13.2 | 14.8 | 12.6 | 14.8 | 12.9 | 11.9 | 13.7 | 13.6 | 12.9 | 15.9 |
| Number | | 94 | 63 | 73 | 82 | 49 | 42 | 66 | 74 | 146 | 168 | 152 | 85 |
| Children Not Retained (Sample Attrition) Mean | | 13.7 | 31.0 | 19.8 | 26.0 | 20.3 | 24.0 | 1.0 | 19.8 | 24.9 | 37.2 | 23.1 | 29.3 |
| Standard Deviation | | 10.9 | 18.8 | 12.5 | 19.9 | 10.6 | 13.8 | 0 | 10.2 | 16.1 | 14.1 | 13.6 | 13.5 |
| Number | | 7 | 5 | 6 | 6 | 6 | 9 | 1 | 7 | 22 | 24 | 6 | 26 |
| INCOME | | | | | | | | | | | | | |
| Total Registration | | | | | | | | | | | | | |
| Mean | | 5375 | 7675 | 5552 | 7080 | 5261 | 6762 | 5031 | 5748 | 5664 | 7412 | 5774 | 6961 |
| Standard Deviation | | 3041 | 2422 | 2732 | 3050 | 2476 | 2874 | 2548 | 2592 | 2779 | 2674 | 2876 | 3112 |
| Number | | 97 | 98 | 100 | 93 | 120 | 82 | 95 | 97 | 90 | 119 | 99 | 98 |
| Children Retained (Analytic Sample) Mean | | 5600 | 8192 | 5875 | 7516 | 5110 | 6326 | 4979 | 5241 | 6103 | 8085 | 6034 | 7576 |
| Standard Deviation | | 3086 | 2246 | 2832 | 3037 | 2367 | 2877 | 2379 | 2618 | 2716 | 2242 | 2547 | 2753 |
| Number | | 28 | 54 | 24 | 30 | 68 | 38 | 34 | 27 | 35 | 41 | 26 | 38 |
| Children Not Retained (Program | | 5284 | 7041 | 5450 | 6873 | 5457 | 7138 | 5061 | 5944 | 5385 | 7059 | 5681 | 6571 |
| and Sample Attrition) Mean | | 3041 | 2502 | 2711 | 3059 | 2623 | 2851 | 2657 | 2573 | 2807 | 2824 | 2995 | 3281 |
| Standard Deviation | | 69 | 44 | 76 | 63 | 52 | 44 | 61 | 70 | 55 | 78 | 73 | 60 |
| Number | | | | | | | | | | | | | |
| Children Not Retained (Sample Attrition) Mean | | 2620 | 4500 | 3460 | 3850 | 4616 | 5822 | 4200 | 5616 | 5842 | 0388 | 4475 | 5752 |
| Standard Deviation | | 813 | 2165 | 1325 | 2257 | 1598 | 2971 | 0 | 2488 | 3690 | 2707 | 2498 | 3129 |
| Number | | 5 | 3 | 5 | 4 | 6 | 9 | 1 | 6 | 7 | 9 | 4 | 21 |

*Percent of Total Registration.

# Table C3-IIIK-7

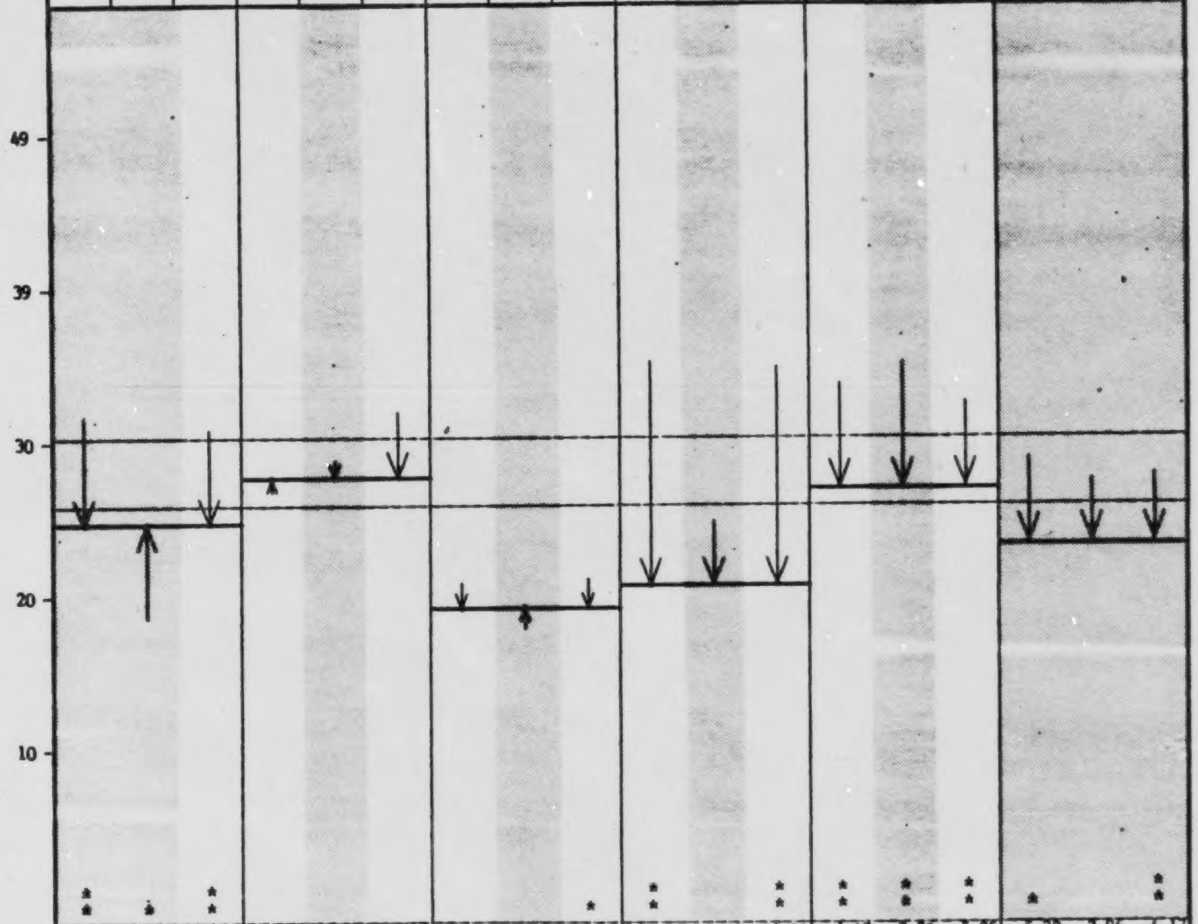
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT WORD KNOWLEDGE FOR COHORT III KINDERGARTEN SITES IN THE TEEM MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. - | 9.85 |
| .25 S.D. - | 2.46 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 30.5

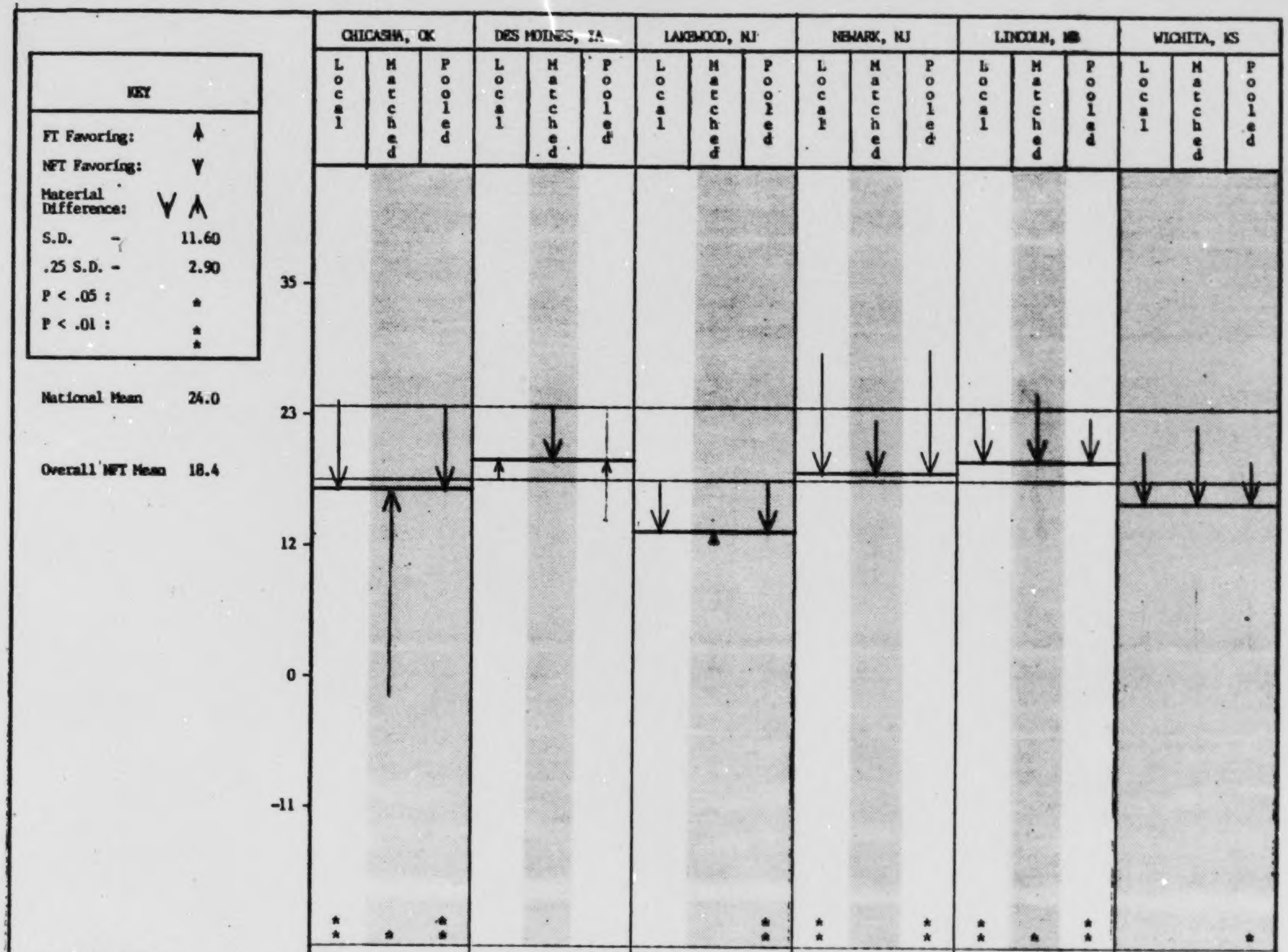
Overall NFT Mean 26.3



| | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHITA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | ** | * | ** | | | | | | * | ** | | ** | ** | ** | ** | * | | ** |
| Magnitude of Effect | -6.83 | 6.05 | -5.85 | 0.15 | -0.88 | -4.03 | -1.72 | 1.25 | -1.76 | -14.24 | -3.97 | -13.94 | -6.47 | -7.80 | -5.25 | -5.32 | -3.86 | -4.17 |
| Standard Error | 2.19 | 2.59 | 1.69 | 2.69 | 3.37 | 3.87 | 2.28 | 1.86 | 0.81 | 2.44 | 2.63 | 1.09 | 1.51 | 2.20 | 0.79 | 2.25 | 3.11 | 1.16 |
| FT Mean | 24.97 | | | 27.89 | | | 19.41 | | | 20.86 | | | 27.14 | | | 23.41 | | |
| No. of FT Children | 39 | | | 27 | | | 71 | | | 43 | | | 118 | | | 56 | | |
| Matched NFT Site | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

# Table C3-IIIK-8

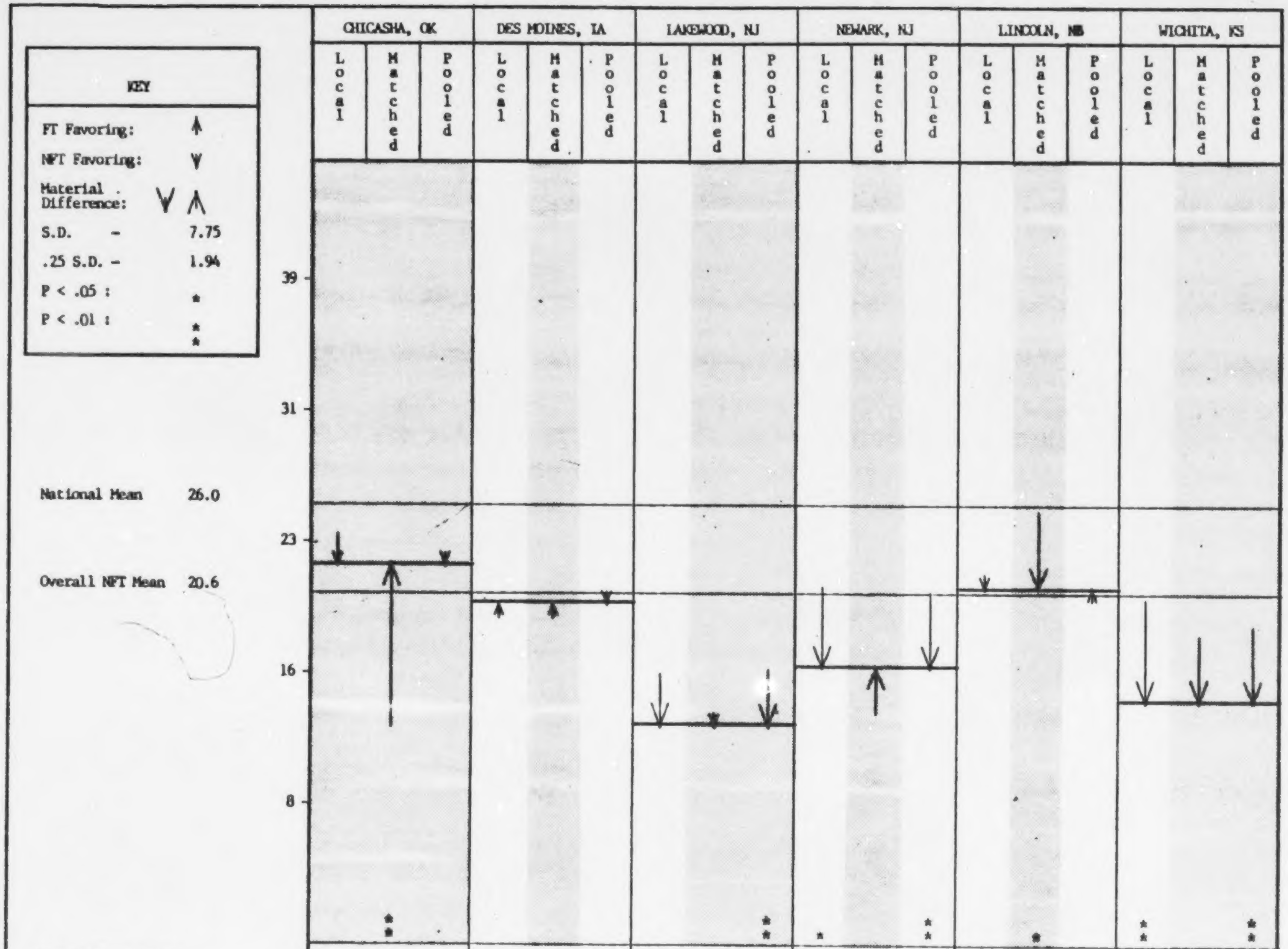
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT
## ON THE MAT SPELLING
## FOR COHORT III KINDERGARTEN SITES
## IN THE TEAM MODEL



| | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHITA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -7.98 | 6.40 | -7.37 | 1.54 | -4.92 | 0.09 | -4.12 | 0.22 | -4.44 | -10.85 | -4.76 | -10.93 | -4.88 | -5.96 | -3.87 | -4.60 | -6.93 | -3.74 |
| Standard Error | 2.41 | 2.73 | 1.86 | 2.96 | 3.55 | 2.63 | 2.51 | 2.34 | 1.02 | 2.68 | 3.54 | 1.35 | 1.66 | 2.35 | 0.85 | 2.48 | 3.63 | 1.49 |
| FT Mean | 16.90 | | | 19.37 | | | 13.30 | | | 18.30 | | | 19.39 | | | 15.75 | | |
| No. of FT Children | 39 | | | 27 | | | 71 | | | 43 | | | 118 | | | 56 | | |
| Matched NFT Site | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

# Table C3-IIIK-9

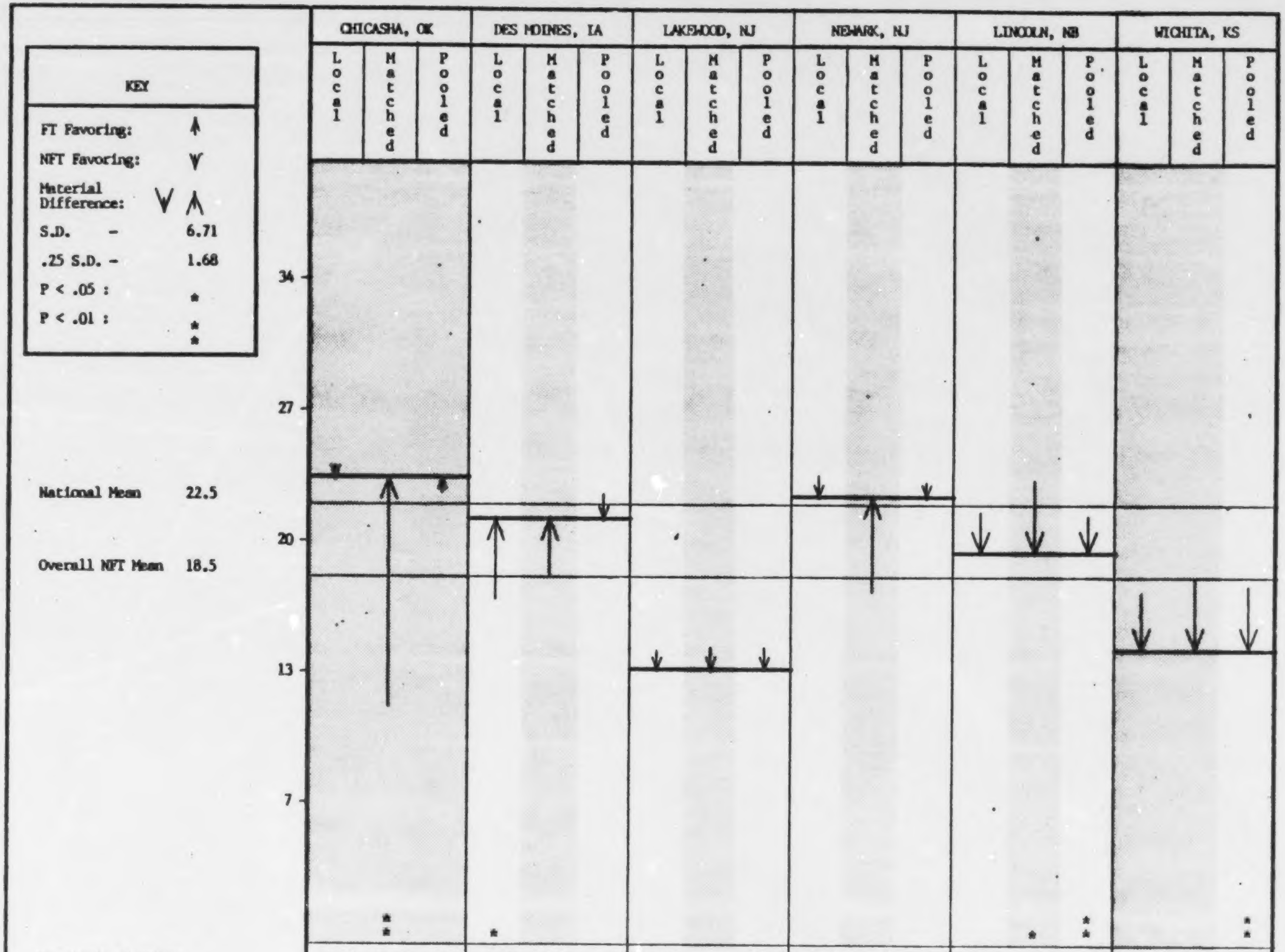
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT
### ON THE MAT LANGUAGE
### FOR COHORT III KINDERGARTEN SITES
### IN THE TEEM MODEL



| | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHITA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | ** | | | | | | | ** | * | | ** | | * | | ** | | ** |
| Magnitude of Effect | -1.85 | 9.67 | -0.63 | 0.19 | 0.38 | -0.78 | -2.99 | -0.78 | -3.28 | -4.62 | 2.83 | -4.33 | -0.35 | -4.53 | 0.63 | -6.03 | -3.84 | -4.43 |
| Standard Error | 1.88 | 1.71 | 1.24 | 2.32 | 2.22 | 1.43 | 1.96 | 1.23 | 0.60 | 2.10 | 2.36 | 1.06 | 1.30 | 2.03 | 0.69 | 1.94 | 2.06 | 0.85 |
| FT Mean | 22.18 | | | 19.82 | | | 12.66 | | | 16.21 | | | 20.81 | | | 14.14 | | |
| No. of FT Children | 39 | | | 27 | | | 71 | | | 43 | | | 118 | | | 56 | | |
| Matched NFT Site | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

# Table C3-IIIK-10

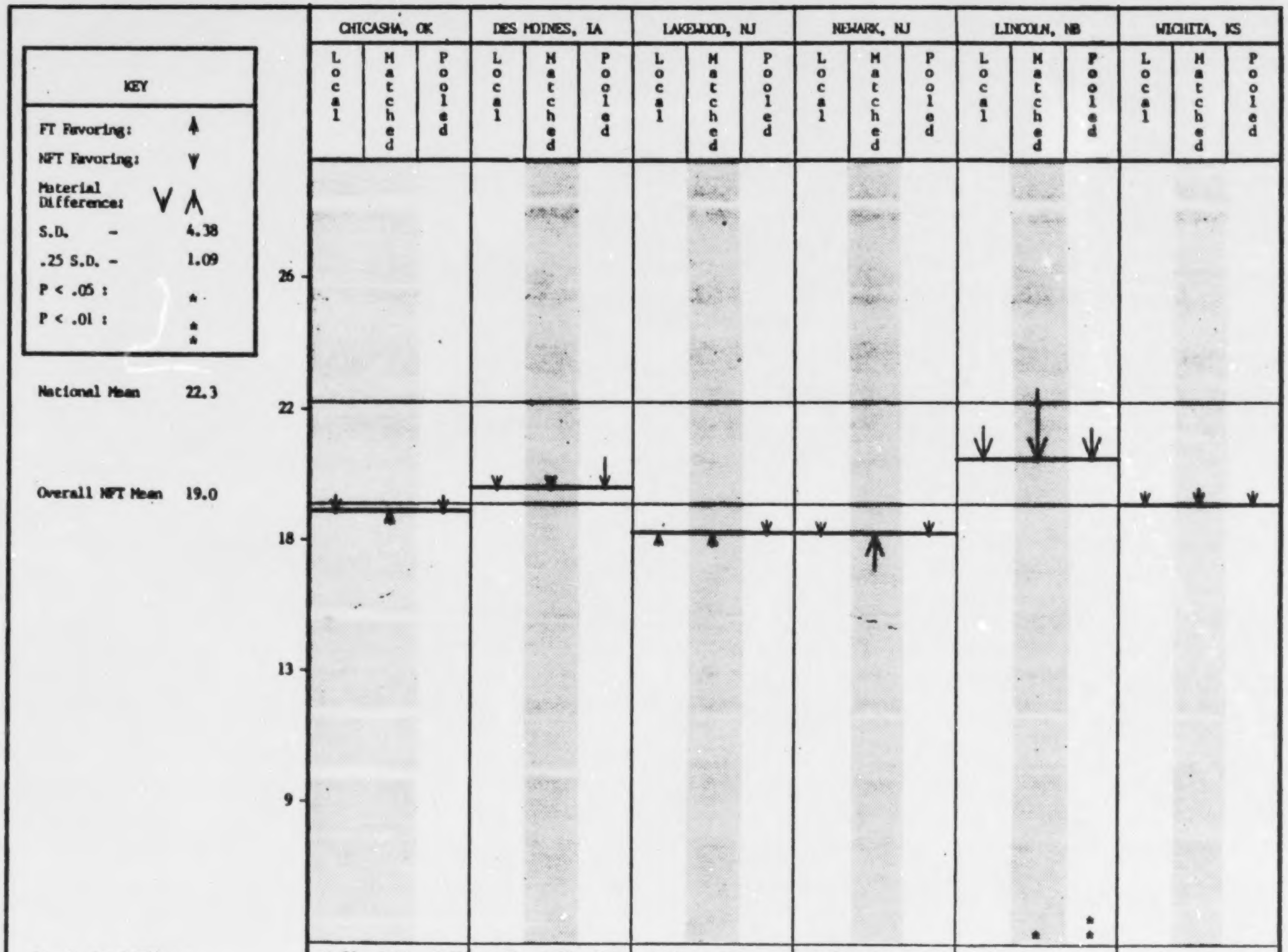
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT III KINDERGARTEN SITES IN THE TEEM MODEL



| | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHITA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.01 | 11.59 | 0.12 | 3.99 | 2.75 | -1.34 | -0.95 | -1.13 | -1.07 | -1.10 | 4.82 | -0.80 | -2.04 | -3.70 | -1.82 | -2.97 | -3.63 | -3.24 |
| Standard Error | 1.57 | 1.56 | 1.10 | 1.93 | 2.36 | 3.98 | 1.64 | 1.35 | 0.69 | 1.75 | 2.47 | 1.03 | 1.08 | 1.49 | 0.54 | 1.61 | 2.03 | 0.67 |
| FT Mean | 23.49 | | | 21.37 | | | 13.72 | | | 22.51 | | | 19.73 | | | 14.68 | | |
| No. of FT Children | 39 | | | 27 | | | 71 | | | 43 | | | 118 | | | 56 | | |
| Matched NFT Site | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

Table C3-IIIK-11

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE RAVEN S PROGRESSIVE MATRICES
FOR COHORT III KINDERGARTEN SITES
IN THE TERM MODEL

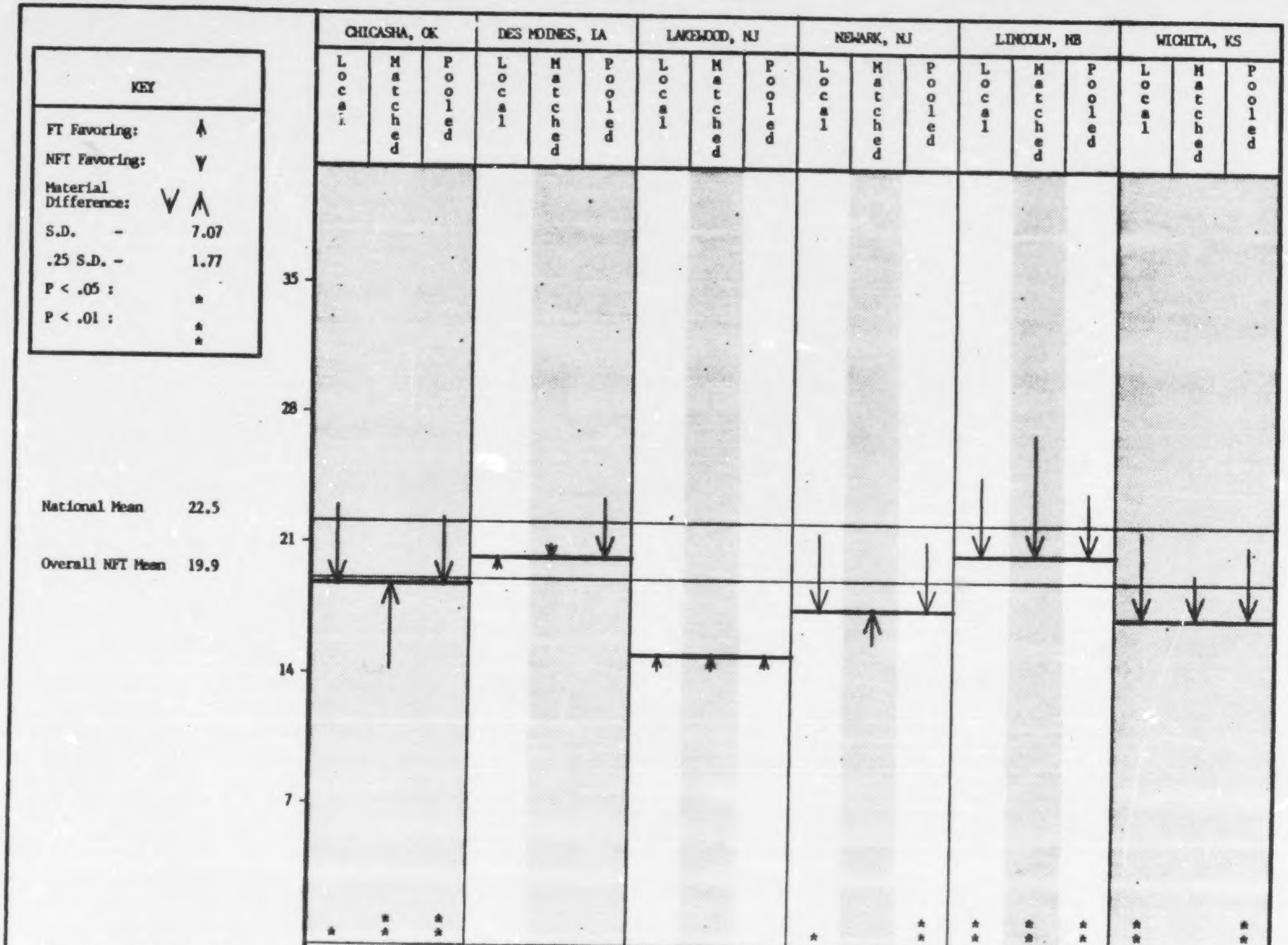


| | CHICASHA, OK Local | Matched | Pooled | DES MOINES, IA Local | Matched | Pooled | LAKEWOOD, NJ Local | Matched | Pooled | NEWARK, NJ Local | Matched | Pooled | LINCOLN, NB Local | Matched | Pooled | WICHITA, KS Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.56 | 0.44 | -0.55 | -0.27 | -0.25 | -1.02 | 0.25 | 0.35 | -0.13 | -0.36 | 1.18 | -0.52 | -1.18 | -2.36 | -1.13 | -0.48 | -0.51 | -0.47 |
| Standard Error | 0.94 | 0.91 | 0.52 | 1.16 | 1.41 | 0.92 | 0.98 | 1.01 | 0.47 | 1.05 | 1.61 | 0.61 | 0.65 | 0.93 | 0.36 | 0.97 | 1.33 | 0.54 |
| FT Mean | 18.62 | | | 19.41 | | | 17.89 | | | 17.86 | | | 20.35 | | | 18.88 | | |
| No. of FT Children | 39 | | | 27 | | | 71 | | | 43 | | | 118 | | | 56 | | |
| Matched NFT Site | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

COHORT III-K STUDY
Non-Preschool Adjusted

# Table C3-IIIK-12

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT READING FOR COHORT III KINDERGARTEN SITES IN THE TEEM MODEL



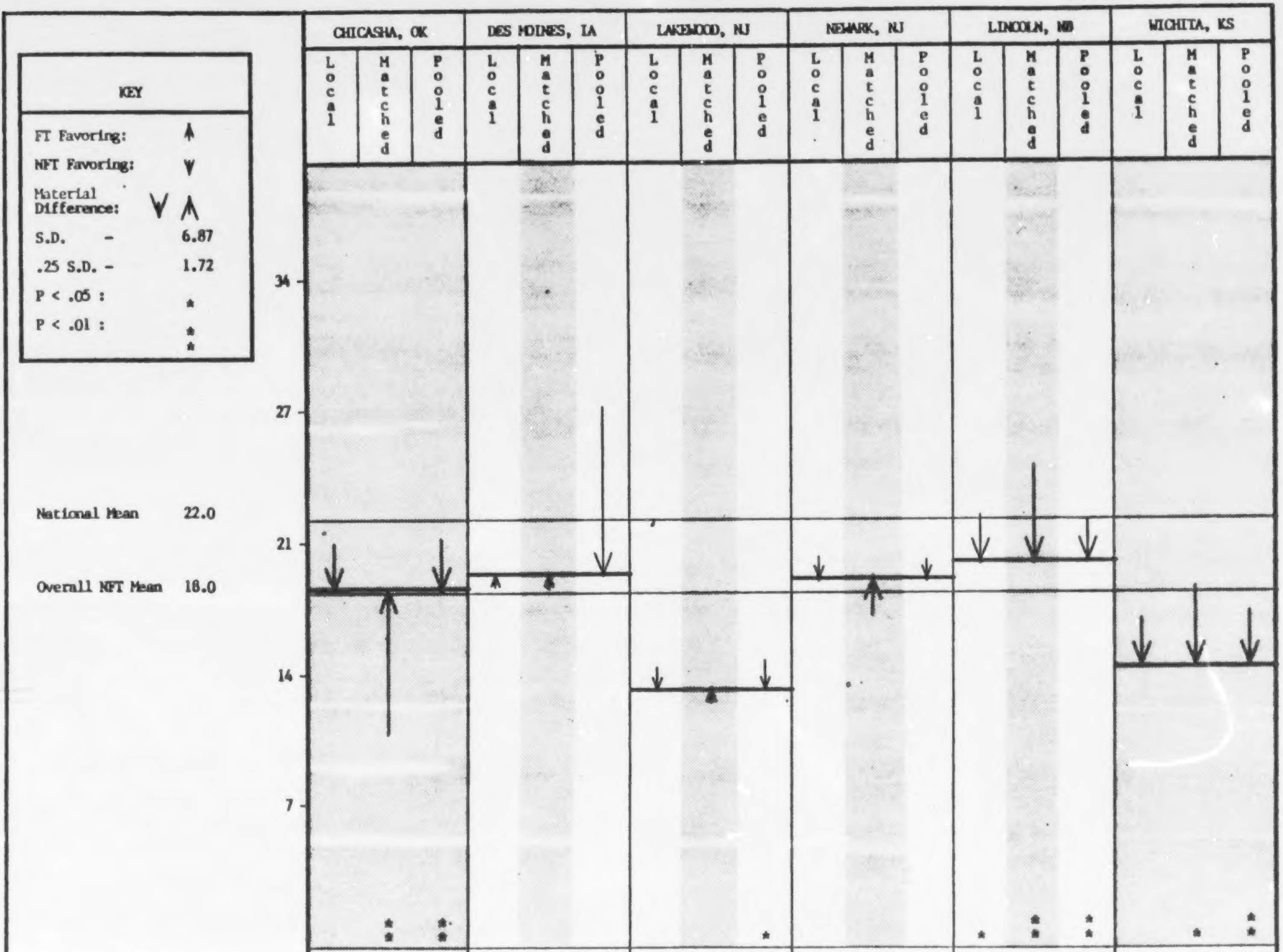
|  | CHICASHA, OK |  |  | DES MOINES, IA |  |  | LAKEWOOD, NJ |  |  | NEWARK, NJ |  |  | LINCOLN, NB |  |  | WICHITA, KS |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
|  | * | ** | ** |  |  |  |  |  |  | * |  | ** | ** | ** | ** | ** |  | ** |
| Magnitude of Effect | -4.30 | 4.64 | -3.54 | 0.77 | -0.03 | -3.26 | 0.02 | 0.47 | 0.00 | -4.20 | 1.81 | -3.80 | -4.29 | -6.59 | -3.49 | -4.66 | -2.38 | -3.92 |
| Standard Error | 1.71 | 1.63 | 1.22 | 2.11 | 2.40 | 3.50 | 1.79 | 1.20 | 0.55 | 1.91 | 1.99 | 0.79 | 1.18 | 1.85 | 0.64 | 1.76 | 2.33 | 0.91 |
| FT Mean | 19.23 |  |  | 20.67 |  |  | 15.32 |  |  | 17.88 |  |  | 20.84 |  |  | 17.46 |  |  |
| No. of FT Children | 39 |  |  | 27 |  |  | 71 |  |  | 43 |  |  | 118 |  |  | 56 |  |  |
| Matched NFT Site | Tulare, CA |  |  | Richmond, VA |  |  | Paterson, NJ |  |  | Ravenswood, CA |  |  | Great Falls, MT |  |  | Richmond, VA |  |  |

454

455

## Table C3-IIIK-13

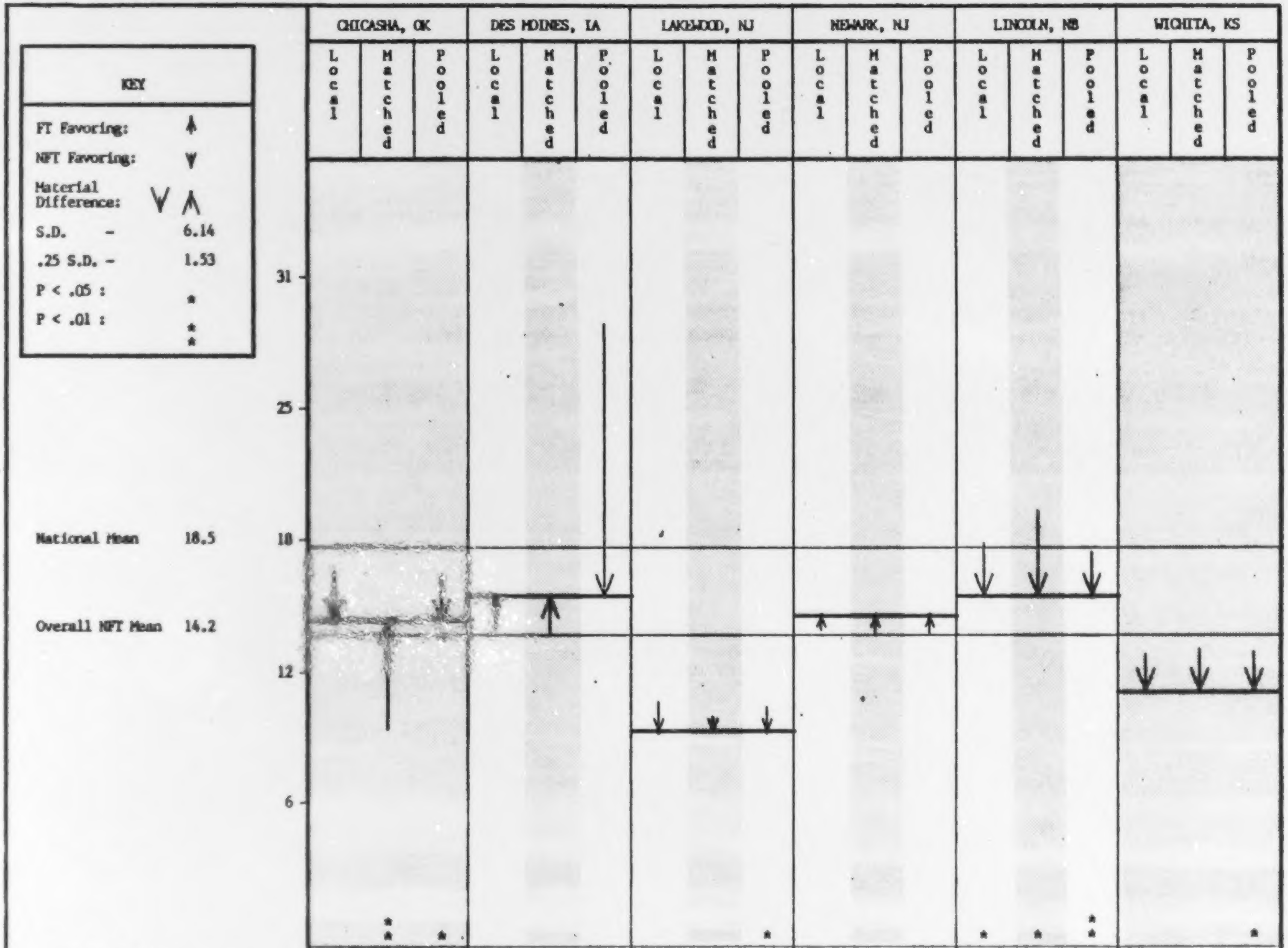
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT
### ON THE MAT MATHEMATICS CONCEPTS
### FOR COHORT III KINDERGARTEN SITES
### IN THE TEEM MODEL



| | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHITA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -2.40 | 7.53 | -2.66 | 0.39 | 0.63 | -8.76 | -1.13 | 0.29 | -1.51 | -1.21 | 1.93 | -1.04 | -2.47 | -5.02 | -2.26 | -2.42 | -4.07 | -2.82 |
| Standard Error | 1.45 | 1.42 | 0.80 | 1.78 | 2.02 | 6.17 | 1.51 | 1.17 | 0.60 | 1.61 | 1.98 | 0.80 | 1.00 | 1.62 | 0.55 | 1.49 | 1.96 | 0.74 |
| FT Mean | 18.41 | | | 19.19 | | | 13.17 | | | 18.86 | | | 19.75 | | | 14.27 | | |
| No. of FT Children | 39 | | | 27 | | | 71 | | | 43 | | | 118 | | | 56 | | |
| Matched NFT Site | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

# Table C3-IIIK-14

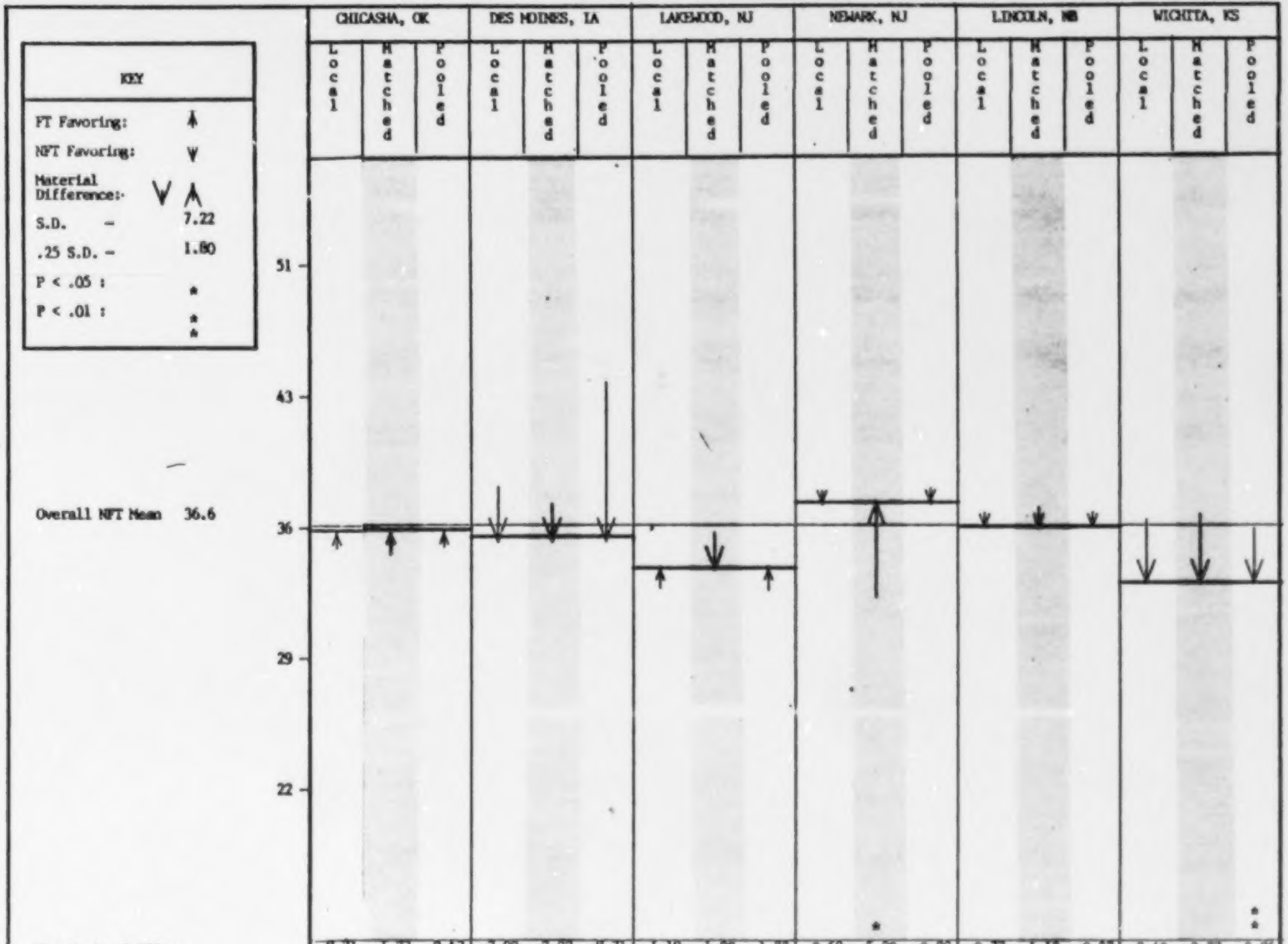
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT III KINDERGARTEN SITES IN THE TEEM MODEL



| | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHITA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | ** | * | | | | | | * | | | | * | * | ** | | | * |
| Magnitude of Effect | -2.50 | 5.02 | -2.19 | 1.44 | 1.75 | -12.77 | -1.41 | -0.19 | -1.20 | 0.28 | 0.85 | 0.73 | -2.46 | -4.02 | -2.06 | -1.77 | -1.94 | -1.86 |
| Standard Error | 1.44 | 1.43 | 0.86 | 1.77 | 1.85 | 10.13 | 1.50 | 1.13 | 0.56 | 1.60 | 1.95 | 0.77 | 0.99 | 1.59 | 0.51 | 1.48 | 1.96 | 0.80 |
| FT Mean | 14.85 | | | 15.93 | | | 9.72 | | | 15.02 | | | 15.98 | | | 11.50 | | |
| No. of FT Children | 39 | | | 27 | | | 71 | | | 43 | | | 118 | | | 56 | | |
| Matched NFT Site | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

# Table C3-IIIK-15

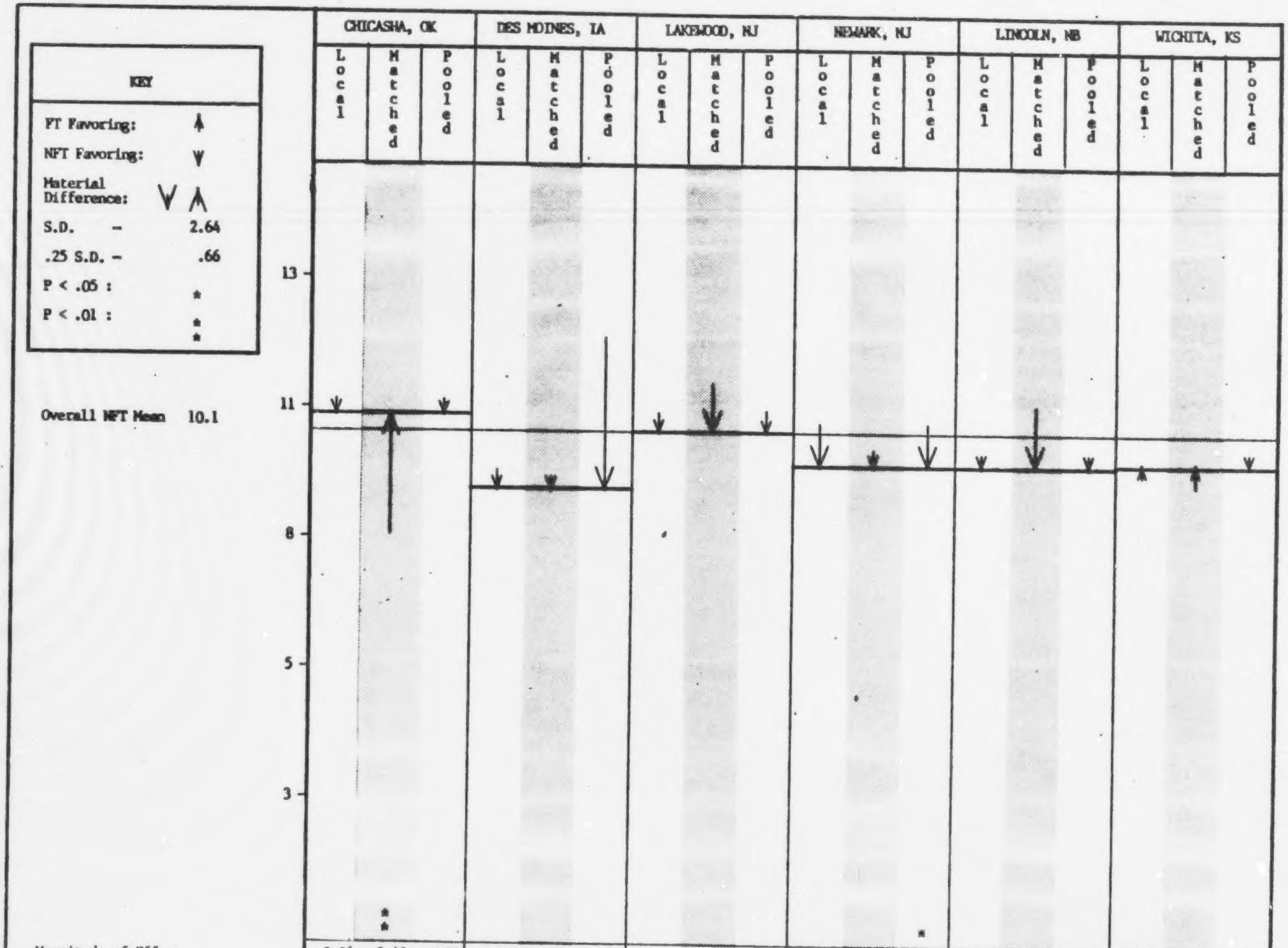
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT III KINDERGARTEN SITES IN THE TEEM MODEL



| | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHITA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.21 | 1.23 | 0.63 | -3.00 | -2.02 | -8.71 | 1.19 | -1.90 | 1.32 | -0.68 | 5.20 | -0.88 | -0.77 | -1.12 | -0.37 | -3.40 | -3.77 | -2.86 |
| Standard Error | 1.77 | 1.64 | 1.16 | 2.18 | 2.33 | 4.53 | 1.84 | 1.81 | 0.87 | 1.97 | 2.37 | 0.85 | 1.22 | 1.95 | 0.70 | 1.82 | 2.24 | 0.96 |
| FT Mean | 36.44 | | | 35.96 | | | 34.47 | | | 37.95 | | | 36.65 | | | 33.63 | | |
| No. of FT Children | 39 | | | 27 | | | 71 | | | 43 | | | 118 | | | 56 | | |
| Matched NFT Site | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

## Table C3-IIIK-16

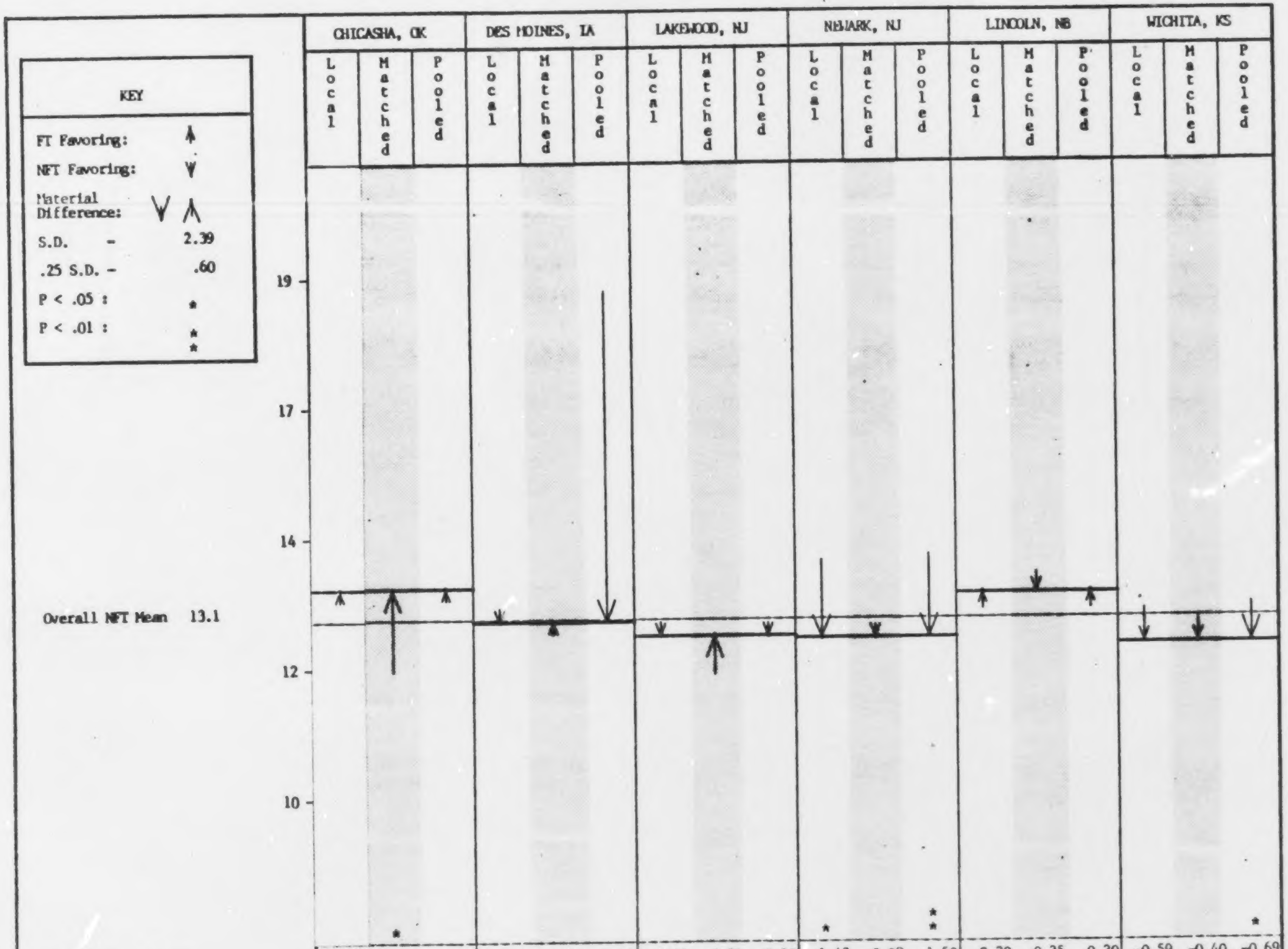
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT III KINDERGARTEN SITES IN THE TERM MODEL



| | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHITA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.06 | 2.43 | -0.29 | -0.40 | -0.22 | -3.09 | -0.39 | -0.98 | -0.46 | -0.88 | -0.37 | -0.87 | -0.07 | -1.25 | -0.10 | 0.25 | 0.45 | -0.02 |
| Standard Error | 0.67 | 0.70 | 0.45 | 0.83 | 0.94 | 1.82 | 0.70 | 0.68 | 0.32 | 0.75 | 1.01 | 0.35 | 0.46 | 0.73 | 0.28 | 0.69 | 0.86 | 0.32 |
| FT Mean | 10.51 | | | 9.00 | | | 10.17 | | | 9.49 | | | 9.49 | | | 9.54 | | |
| No. of FT Children | 39 | | | 27 | | | 71 | | | 43 | | | 118 | | | 56 | | |
| Matched NFT Site | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

Table C3-IIIK-17

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE
FOR COHORT III KINDERGARTEN SITES
IN THE TEEM MODEL



| | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHITA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.08 | 1.53 | 0.20 | -0.26 | 0.07 | -6.08 | -0.04 | 0.71 | -0.10 | -1.43 | -0.08 | -1.50 | 0.30 | -0.35 | 0.30 | -0.59 | -0.40 | -0.69 |
| Standard Error | 0.57 | 0.66 | 0.36 | 0.71 | 0.96 | 4.46 | 0.60 | 0.64 | 0.29 | 0.64 | 0.74 | 0.33 | 0.40 | 0.60 | 0.23 | 0.59 | 0.93 | 0.34 |
| FT Mean | 13.56 | | | 12.93 | | | 12.66 | | | 12.61 | | | 13.40 | | | 12.50 | | |
| No. of FT Children | 39 | | | 27 | | | 71 | | | 43 | | | 118 | | | 56 | | |
| Matched NFT Site | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

Table C3-IIIK-18

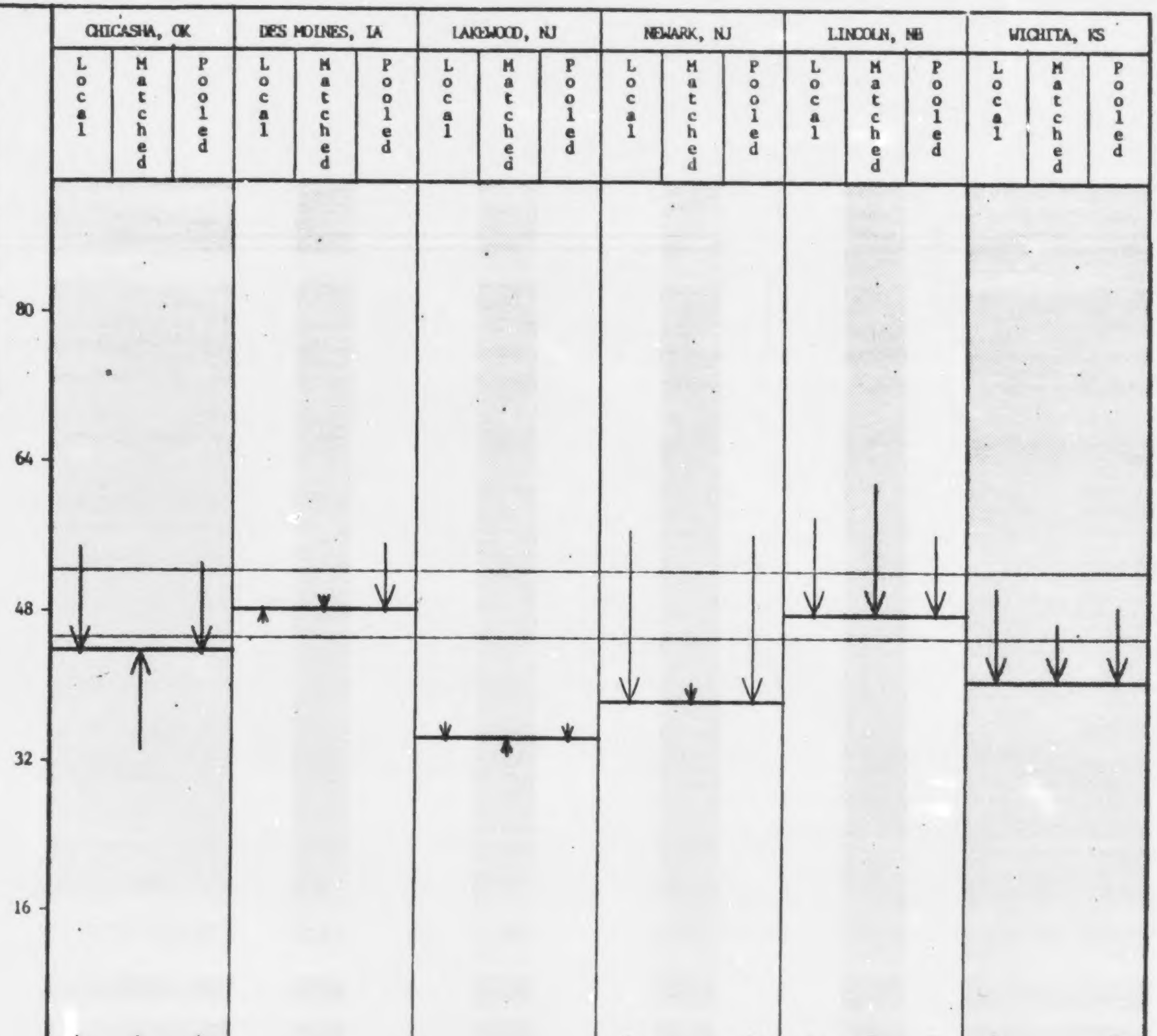
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL READING FOR COHORT III KINDERGARTEN SITES IN THE TEHM MODEL

**KEY**

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ⋁ ⋀
S.D. - 15.96
.25 S.D. - 3.99
P < .05 : *
P < .01 : **

National Mean 53.0

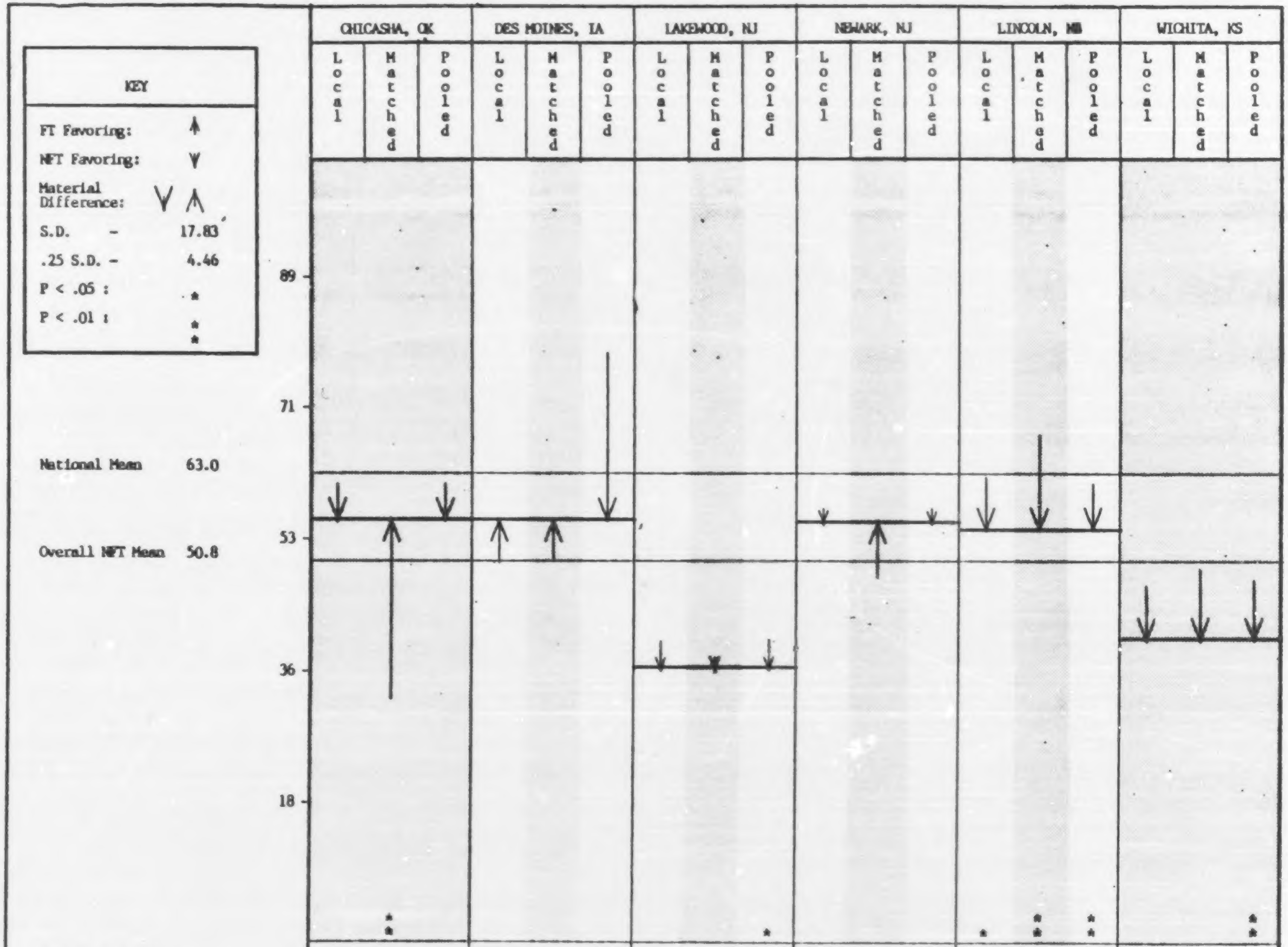
Overall NFT Mean 46.1



| | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHITA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | ** | ** | ** | | | | | | | ** | | ** | ** | ** | ** | ** | | ** |
| Magnitude of Effect | -11.13 | 10.69 | -9.39 | 0.92 | -0.90 | -7.29 | -1.71 | 1.72 | -1.76 | -18.45 | -2.15 | -17.74 | -10.76 | -14.39 | -8.74 | -9.97 | -6.24 | -8.09 |
| Standard Error | 3.64 | 4.01 | 2.73 | 4.48 | 5.57 | 7.29 | 3.80 | 2.70 | 1.18 | 4.06 | 4.15 | 1.74 | 2.51 | 3.77 | 1.34 | 3.75 | 5.17 | 1.97 |
| FT Mean | 44.21 | | | 48.56 | | | 34.73 | | | 38.74 | | | 47.98 | | | 40.88 | | |
| No. of FT Children | 39 | | | 27 | | | 71 | | | 43 | | | 118 | | | 56 | | |
| Matched NFT Site | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

## Table C3-IIIK-19

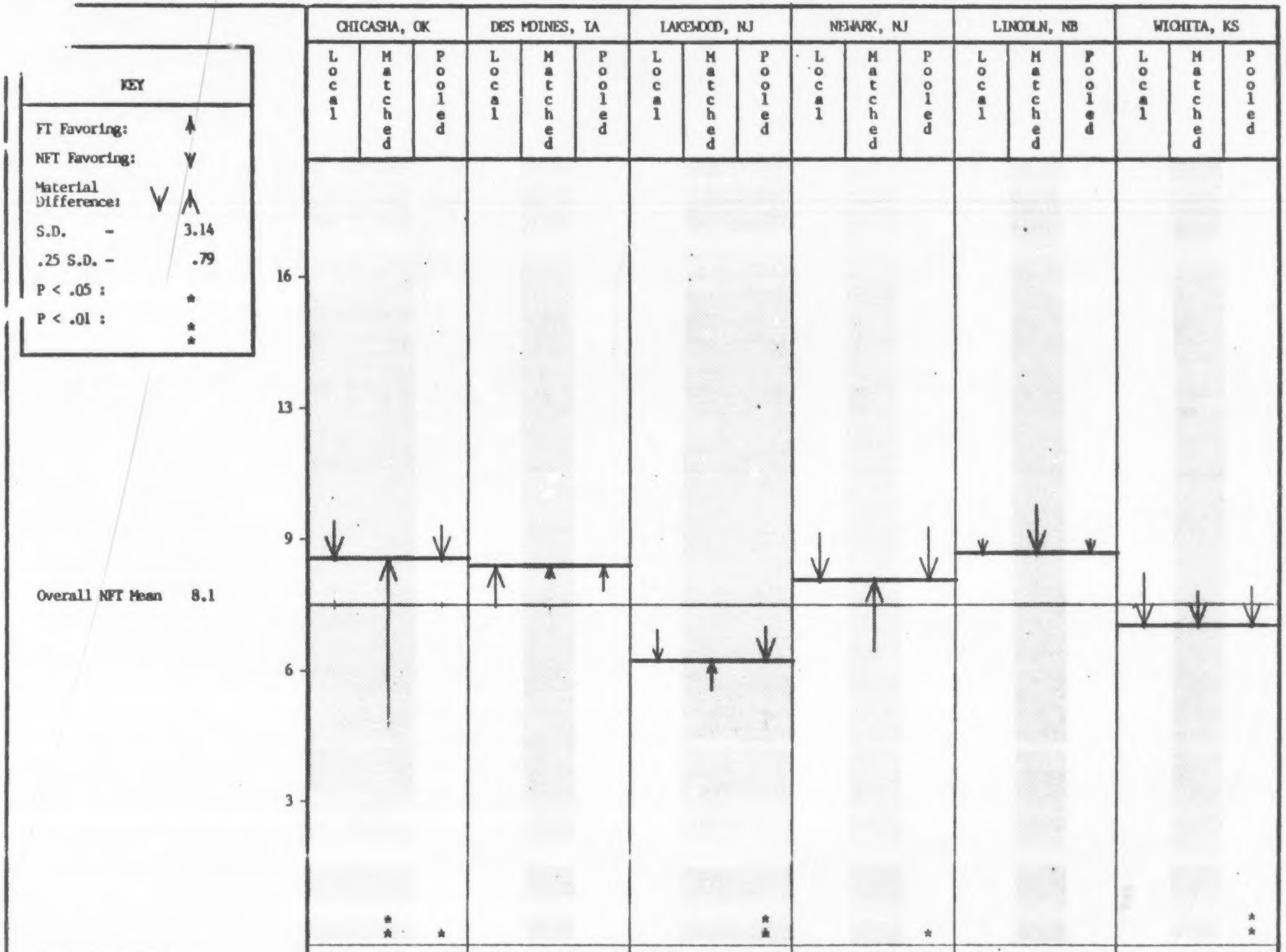
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT
### ON THE MAT TOTAL MATH
### FOR COHORT III KINDERGARTEN SITES
### IN THE TERM MODEL



| | CHICASHA, OK Local | CHICASHA, OK Matched | CHICASHA, OK Pooled | DES MOINES, IA Local | DES MOINES, IA Matched | DES MOINES, IA Pooled | LAKEWOOD, NJ Local | LAKEWOOD, NJ Matched | LAKEWOOD, NJ Pooled | NEWARK, NJ Local | NEWARK, NJ Matched | NEWARK, NJ Pooled | LINCOLN, NB Local | LINCOLN, NB Matched | LINCOLN, NB Pooled | WICHITA, KS Local | WICHITA, KS Matched | WICHITA, KS Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -4.90 | 24.14 | -4.69 | 5.83 | 5.13 | -22.81 | -3.49 | -1.02 | -3.73 | -2.02 | 7.60 | -1.07 | -6.97 | -12.74 | -6.12 | -7.17 | -9.63 | -7.90 |
| Standard Error | 3.93 | 3.89 | 2.46 | 4.84 | 5.68 | 20.17 | 4.10 | 2.96 | 1.49 | 4.38 | 5,56 | 2.19 | 2.71 | 4.18 | 1.41 | 4.04 | 5.24 | 1.96 |
| FT Mean | 56.74 | | | 56.48 | | | 36.61 | | | 56.40 | | | 55.45 | | | 40.45 | | |
| No. of FT Children | 39 | | | 27 | | | 71 | | | 43 | | | 118 | | | 56 | | |
| Matched NFT Site | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

# Table C3-IIIK20

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT III KINDERGARTEN SITES IN THE TEEM MODEL



| | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHITA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.93 | 2.88 | -0.82 | 1.00 | 0.00 | 0.62 | -0.73 | 0.74 | -0.81 | -1.17 | 1.68 | -1.27 | -0.38 | -1.15 | -0.17 | -1.29 | -0.82 | -0.95 |
| Standard Error | 0.70 | 0.78 | 0.40 | 0.86 | 0.88 | 0.47 | 0.73 | 0.63 | 0.29 | 0.78 | 1.17 | 0.50 | 0.48 | 0.73 | 0.28 | 0.72 | 0.89 | 0.36 |
| FT Mean | 9.03 | | | 8.89 | | | 6.63 | | | 8.54 | | | 9.17 | | | 7.41 | | |
| No. of FT Children | 39 | | | 27 | | | 71 | | | 43 | | | 118 | | | 56 | | |
| Matched NFT Site | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

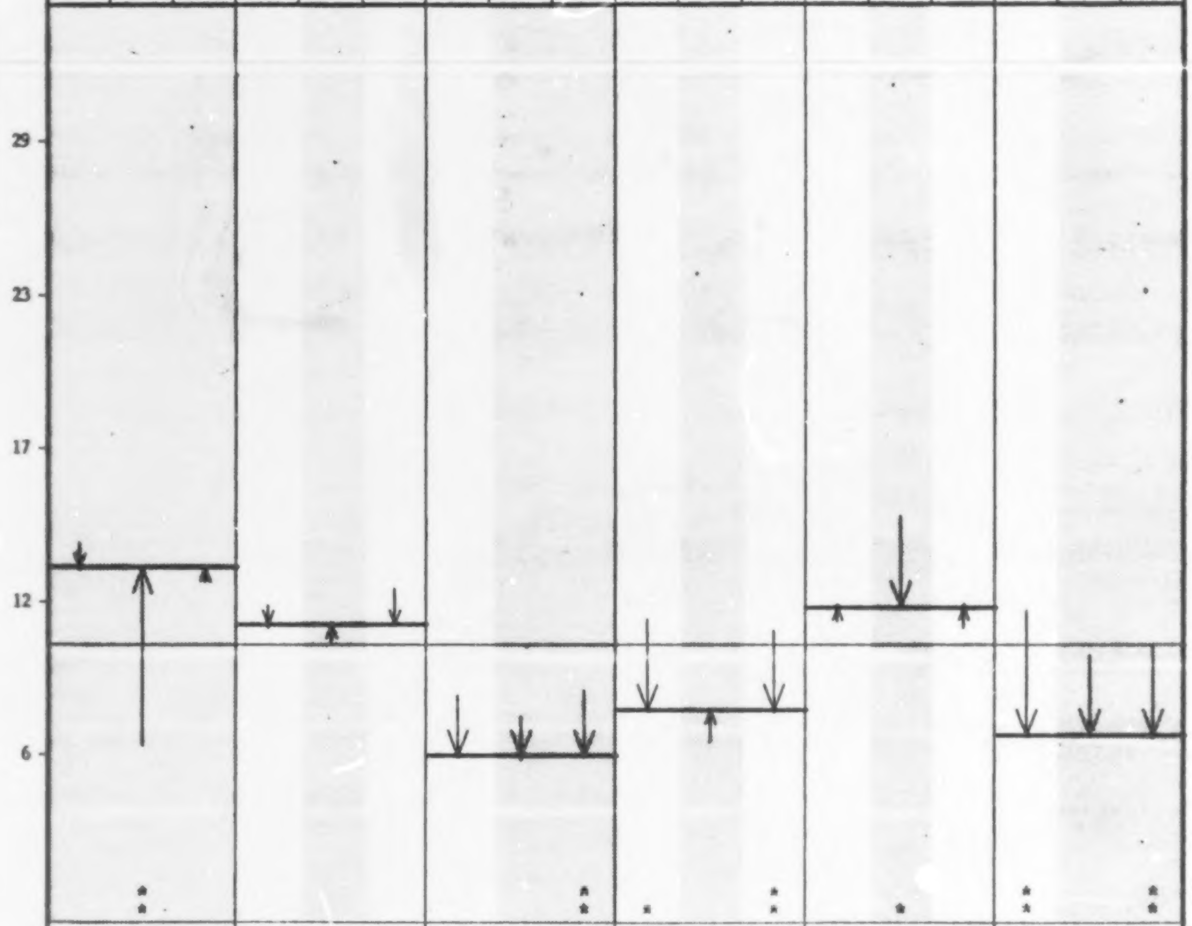
## Table C3-IIIK-21

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT III KINDERGARTEN SITES IN THE TERM MODEL

**KEY**

- FT Favoring: ↑
- NFT Favoring: ↓
- Material Difference: ⇓ ⇑
- S.D. - 5.82
- .25 S.D. - 1.46
- P < .05 : *
- P < .01 : **

Overall NFT Mean 10.3



| | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHITA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | ** | | | | | | | ** | * | | ** | | * | | ** | | ** |
| Magnitude of Effect | -0.92 | 6.78 | 0.19 | -0.81 | 0.38 | -1.40 | -2.26 | -1.51 | -2.47 | -3.45 | 1.15 | -3.06 | 0.02 | -3.38 | 0.80 | -4.74 | -3.01 | -3.48 |
| Standard Error | 1.52 | 1.31 | 1.04 | 1.87 | 1.67 | 1.14 | 1.58 | 0.98 | 0.49 | 1.69 | 1.78 | 0.82 | 1.05 | 1.67 | 0.54 | 1.56 | 1.56 | 0.64 |
| FT Mean | 13.15 | | | 10.93 | | | 6.03 | | | 7.67 | | | 11.64 | | | 6.73 | | |
| No. of FT Children | 39 | | | 27 | | | 71 | | | 43 | | | 118 | | | 56 | | |
| Matched NFT Site | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

## Table C3-IIIK-22

### STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN FOR THE TERM MODEL

| | | SPONSOR'S SITES | | | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHATA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAT NORM POPU-LATION | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 61 | 55.0 | 63.2 | — | 57.3 | 69.5 | 51.4 | 56.0 | 61.3 | 58.8 | 51.6 | 53.0 | 51.0 | 53.4 | 63.8 | 55.2 | 58.6 | 66.8 | 68.9 | 53.0 | 64.8 | 58.8 |
| Median Percentile | 50 | 30.0 | 56.0 | 36.0 | 36.0 | 76.0 | 20.0 | 34.0 | 48.0 | 42.0 | 22.0 | 24.0 | 20.0 | 24.0 | 60.0 | 30.0 | 42.0 | 66.0 | 72.0 | 24.0 | 62.0 | 42.0 |
| Grade Equivalent | 3.5 | 2.9 | 3.7 | 3.1 | 3.1 | 4.5 | 2.5 | 3.0 | 3.5 | 3.3 | 2.6 | 2.7 | 2.5 | 2.7 | 3.8 | 2.9 | 3.3 | 4.2 | 4.4 | 2.7 | 3.9 | 3.3 |
| 1 Year or More Below Grade Level | 20 | 36.4 | 18.2 | — | 33.3 | 4.0 | 50.7 | 37.0 | 23.3 | 31.0 | 49.3 | 42.1 | 54.2 | 34.9 | 18.9 | 22.2 | 21.2 | 7.5 | 6.5 | 42.9 | 13.6 | 31.0 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 63.3 | 68.4 | — | 67.8 | 77.3 | 57.6 | 68.0 | 65.0 | 65.0 | 54.0 | 57.5 | 53.5 | 67.3 | 68.3 | 60.5 | 65.3 | 73.8 | 74.2 | 57.5 | 68.5 | 65.0 |
| Median Percentile | 50 | 26.0 | 40.0 | 26.0 | 40.0 | 70.0 | 14.0 | 40.0 | 32.0 | 32.0 | 8.0 | 14.0 | 8.0 | 38.0 | 40.0 | 20.0 | 32.0 | 62.0 | 62.0 | 14.0 | 44.0 | 32.0 |
| Grade Equivalent | 3.75 | 3.2 | 3.5 | 3.2 | 3.5 | 4.4 | 2.8 | 3.5 | 3.3 | 3.3 | 2.4 | 2.8 | 2.4 | 3.5 | 3.5 | 3.0 | 3.3 | 4.1 | 4.1 | 2.8 | 3.6 | 3.3 |
| 1 Year or More Below Grade Level | 12 | 30.8 | 21.9 | — | 15.4 | 5.3 | 49.3 | 22.2 | 23.3 | 41.4 | 62.0 | 50.0 | 62.5 | 14.0 | 24.3 | 38.9 | 21.2 | 10.6 | 7.8 | 50.0 | 18.2 | 41.4 |
| SPELLING | | | | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 64 | 58.8 | 67.3 | — | 58.8 | 70.4 | 54.8 | 62.0 | 60.7 | 64.8 | 55.3 | 61.5 | 51.5 | 60.2 | 74.8 | 65.5 | 60.0 | 66.3 | 66.4 | 56.3 | 70.0 | 64.8 |
| Median Percentile | 50 | 36.0 | 60.0 | 40.0 | 36.0 | 68.0 | 23.0 | 44.0 | 40.0 | 54.0 | 23.0 | 44.0 | 18.0 | 38.0 | 82.0 | 58.0 | 38.0 | 58.0 | 58.0 | 26.0 | 68.0 | 54.0 |
| Grade Equivalent | 3.6 | 3.0 | 4.1 | 3.3 | 3.0 | 4.4 | 2.7 | 3.4 | 3.3 | 3.7 | 2.7 | 3.4 | 2.5 | 3.1 | 5.0 | 3.9 | 3.1 | 3.9 | 3.9 | 2.8 | 4.4 | 3.7 |
| 1 Year or More Below Grade Level | 22 | 34.7 | 18.9 | — | 35.9 | 4.0 | 49.3 | 33.3 | 30.2 | 24.1 | 47.9 | 31.6 | 50.0 | 27.9 | 18.9 | 16.7 | 22.0 | 10.6 | 10.4 | 41.1 | 18.2 | 24.1 |
| LANGUAGE | | | | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70 | 59.2 | 63.8 | — | 64.4 | 70.8 | 56.3 | 63.8 | 62.9 | 61.0 | 54.0 | 58.7 | 50.5 | 56.9 | 62.7 | 54.5 | 61.5 | 63.3 | 65.9 | 54.9 | 64.5 | 61.0 |
| Median Percentile | 50 | 23.0 | 34.0 | 22.0 | 34.0 | 52.0 | 18.0 | 34.0 | 32.0 | 28.0 | 12.0 | 23.0 | 9.0 | 20.0 | 32.0 | 14.0 | 30.0 | 32.0 | 40.0 | 14.0 | 38.0 | 28.0 |
| Grade Equivalent | 4.0 | 2.9 | 3.3 | 2.8 | 3.3 | 4.1 | 2.6 | 3.3 | 3.2 | 3.1 | 2.4 | 2.9 | 2.2 | 2.7 | 3.2 | 2.5 | 3.1 | 3.2 | 3.5 | 2.5 | 3.4 | 3.1 |
| 1 Year or More Below Grade Level | 14 | 56.3 | 40.5 | — | 33.3 | 17.1 | 69.3 | 37.0 | 44.2 | 48.3 | 91.5 | 63.2 | 79.2 | 62.8 | 43.2 | 83.3 | 39.8 | 45.7 | 28.6 | 73.2 | 29.6 | 48.3 |
| BEST MATCHED SITE | | | | | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

Table C3-IIIK(PS)-22

### STANDARDIZED SCORES FOR MAT READING, MATHEMATICS LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN WITH HEADSTART FOR THE TEEM MODEL

| | MAT NORM POPULATION | SPONSOR'S SITES | | CHICKASHA, OK | | DES MOINES, IA | | LAKEWOOD, NJ | | NEWARK, NJ | | LINCOLN, NE | | WICHITA, KA | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| **TOTAL READING** | | | | | | | | | | | | | | | |
| Third Grade Median | 61 | 55.0 | 63.7 | 57.8 | 70.0 | 53.8 | 61.5 | 51.8 | 53.5 | 53.8 | 64.2 | 59.0 | 67.4 | 53.6 | 65.4 |
| Median Percentile | 50 | 31 | 58 | 40 | 76 | 28 | 54 | 22 | 28 | 28 | 60 | 42 | 68 | 28 | 64 |
| Grade Equivalent | 3.5 | 2.9 | 3.8 | 3.2 | 4.5 | 2.8 | 3.6 | 2.6 | 2.8 | 2.8 | 3.8 | 3.3 | 4.2 | 2.8 | 3.9 |
| % 1 Year or More Below Grade Level | 20 | 36 | 18 | 32 | 5 | 42 | 25 | 49 | 42 | 33 | 16 | 20 | 7 | 41 | 12 |
| **TOTAL MATHEMATICS** | | | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 63.6 | 68.1 | 67.2 | 76.0 | 67.8 | 64.2 | 54.5 | 57.5 | 67.8 | 68.5 | 65.5 | 72.1 | 58.9 | 68.5 |
| Median Percentile | 50 | 30 | 42 | 38 | 72 | 40 | 28 | 9 | 14 | 40 | 40 | 34 | 56 | 16 | 40 |
| Grade Equivalent | 3.75 | 3.2 | 3.6 | 3.5 | 4.5 | 3.6 | 3.2 | 2.4 | 2.8 | 3.6 | 3.6 | 3.4 | 3.9 | 2.9 | 3.6 |
| % 1 Year or More Below Grade Level | 12 | 31 | 22 | 18 | 5 | 21 | 25 | 61 | 50 | 14 | 22 | 21 | 11 | 49 | 20 |
| **SPELLING** | | | | | | | | | | | | | | | |
| Third Grade Median | 64 | 58.1 | 67.4 | 59.5 | 70.4 | 56.2 | 60.5 | 55.5 | 61.8 | 60.3 | 76.0 | 60.5 | 66.1 | 56.5 | 69.8 |
| Median Percentile | 50 | 32 | 60 | 38 | 68 | 26 | 38 | 26 | 44 | 38 | 84 | 38 | 58 | 26 | 68 |
| Grade Equivalent | 3.6 | 3.0 | 4.0 | 3.1 | 4.4 | 2.8 | 3.1 | 2.8 | 3.4 | 3.1 | 5.1 | 3.1 | 3.9 | 2.8 | 4.4 |
| % 1 Year or More Below Grade Level | 22 | 28 | 18 | 32 | 3 | 4 | 28 | 47 | 31 | 26 | 16 | 20 | 11 | 41 | 17 |
| **LANGUAGE** | | | | | | | | | | | | | | | |
| Third Grade Median | 70 | 59.0 | 63.6 | 64.2 | 72.0 | 62.0 | 62.0 | 54.1 | 58.5 | 57.0 | 61.0 | 61.8 | 63.5 | 54.9 | 64.3 |
| Median Percentile | 50 | 23 | 34 | 34 | 56 | 30 | 30 | 12 | 22 | 20 | 28 | 30 | 34 | 14 | 34 |
| Grade Equivalent | 4.0 | 2.9 | 3.3 | 3.3 | 4.3 | 3.2 | 3.2 | 2.4 | 2.8 | 2.7 | 3.1 | 3.2 | 3.3 | 2.5 | 3.3 |
| % 1 Year or More Below Grade Level | 14 | 56 | 41 | 32 | 16 | 38 | 47 | 91 | 61 | 62 | 47 | 40 | 44 | 75 | 29 |

COHORT III-K STUDY
Non-Preschool Adjusted

Table C3-IIIK-23

MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES
USED IN THE ANALYTIC SAMPLE OF THE
COHORT III KINDERGARTEN CHILDREN
FOR THE TEEM MODEL

| | SPONSOR'S SITES | | | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHAIA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT<br>Mean | 30.0 | 34.7 | — | 25.4 | 36.1 | 27.7 | 30.5 | 35.8 | 27.6 | 26.3 | 29.6 | 26.3 | 34.0 | 30.0 | 30.3 | 34.2 | 36.5 | 34.3 | 29.7 | 40.1 | 27.6 |
| Standard Deviation | — | — | — | 11.9 | 12.4 | 9.6 | 14.3 | 12.2 | 12.1 | 11.9 | 11.4 | 11.0 | 11.5 | 13.6 | 13.1 | 13.5 | 13.3 | 13.4 | 12.5 | 15.1 | 12.1 |
| HIGHEST OCCUPATION IN HOUSE<br>Mean | 14.0 | 15.1 | — | 14.2 | 16.0 | 13.2 | 14.1 | 15.0 | 14.1 | 13.5 | 14.1 | 13.4 | 13.6 | 14.4 | 14.1 | 14.5 | 15.5 | 15.0 | 14.0 | 15.7 | 14.1 |
| Standard Deviation | — | — | — | 2.5 | 2.3 | 2.4 | 2.1 | 2.3 | 2.2 | 1.6 | 2.1 | 1.2 | 1.3 | 1.9 | 2.6 | 1.9 | 2.5 | 2.1 | 1.8 | 3.0 | 2.2 |
| FAMILY INCOME IN DOLLARS<br>Mean | 5617 | 7156 | — | 5600 | 8192 | 5515 | 5875 | 7516 | 6386 | 5110 | 6326 | 5000 | 4979 | 5241 | 5280 | 6103 | 8085 | 7346 | 6034 | 7576 | 6386 |
| Standard Deviation | — | — | — | 3086 | 2246 | 2824 | 2832 | 3037 | 2761 | 2367 | 2877 | 2741 | 2379 | 2618 | 2613 | 2716 | 2242 | 2548 | 2547 | 2753 | 2761 |
| MISSING INCOME INFORMATION<br>No. Missing | — | — | — | 11 | 22 | 4 | 3 | 13 | 8 | 3 | 0 | 0 | 9 | 10 | 8 | 83 | 53 | 23 | 30 | 6 | 8 |
| Valid Cases | — | — | — | 28 | 54 | 71 | 24 | 30 | 21 | 68 | 38 | 24 | 34 | 27 | 10 | 35 | 41 | 54 | 26 | 38 | 21 |
| ETHNIC MEMBERSHIP/RACE<br>Percent White | 40 | 58 | — | 69 | 97 | 57 | 26 | 60 | 41 | 13 | 37 | 4 | 0 | 0 | 0 | 88 | 93 | 91 | 43 | 64 | 41 |
| Percent Black | 52 | 38 | — | 31 | 0 | 7 | 67 | 38 | 59 | 62 | 61 | 88 | 98 | 97 | 83 | 8 | 5 | 0 | 48 | 30 | 59 |
| SEX Percent Female | 56 | 49 | — | 62 | 50 | 55 | 52 | 44 | 66 | 51 | 55 | 54 | 60 | 51 | 56 | 53 | 47 | 55 | 59 | 48 | 66 |
| ENTRY AGE IN MONTHS<br>Mean | 65.8 | 65.8 | — | 65.4 | 65.0 | 64.7 | 66.1 | 67.1 | 66.8 | 66.2 | 66.5 | 64.4 | 64.1 | 62.7 | 64.7 | 65.3 | 65.6 | 66.4 | 67.5 | 67.7 | 66.8 |
| Standard Deviation | — | — | — | 4.0 | 3.7 | 3.7 | 3.6 | 5.8 | 5.5 | 4.1 | 3.8 | 4.9 | 3.2 | 4.2 | 4.1 | 4.2 | 3.6 | 3.6 | 4.3 | 3.5 | 5.5 |
| FIRST LANGUAGE<br>Percent English | 96 | 99 | — | 100 | 100 | 75 | 100 | 100 | 100 | 77 | 100 | 96 | 98 | 97 | 88 | 100 | 99 | 100 | 100 | 100 | 100 |
| BEST MATCHED SITE | | | | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Great Falls, MT | | | Richmond, VA | | |

## Table C3-IIIK-24

## MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES FOR THE COHORT III KINDERGARTEN CHILDREN IN THE TEEM MODEL

| | ALL SITES | | SPONSOR'S SITES | | | CHICASHA, OK | | | DES MOINES, IA | | | LAKEWOOD, NJ | | | NEWARK, NJ | | | LINCOLN, NB | | | WICHATA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | | | | | | | | | | | |
| Mean | 41.25 | 46.14 | 42.51 | 55.77 | — | 44.21 | 65.46 | 37.13 | 48.56 | 53.21 | 45.34 | 34.73 | 39.74 | 32.58 | 38.74 | 54.92 | 40.67 | 47.97 | 60.87 | 61.96 | 40.88 | 60.43 | 45.34 |
| Standard Deviation | | | — | — | — | 16.54 | 14.56 | 15.76 | 21.57 | 20.67 | 17.89 | 13.68 | 18.08 | 14.32 | 13.29 | 19.69 | 14.11 | 18.60 | 18.50 | 16.61 | 18.97 | 21.15 | 17.89 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | | | | | | | | | | |
| Mean | 47.77 | 50.84 | 50.35 | 59.05 | — | 56.74 | 73.72 | 41.03 | 56.48 | 57.40 | 48.14 | 36.61 | 43.24 | 35.63 | 56.40 | 55.32 | 47.28 | 55.45 | 65.16 | 67.68 | 40.45 | 59.48 | 48.14 |
| Standard Deviation | | | — | — | — | 16.05 | 20.24 | 16.20 | 21.11 | 22.80 | 17.39 | 15.31 | 22.10 | 12.21 | 16.46 | 18.59 | 18.41 | 20.69 | 21.61 | 19.63 | 18.83 | 23.06 | 17.39 |
| LANGUAGE | | | | | | | | | | | | | | | | | | | | | | | |
| Mean | 16.60 | 18.44 | 17.64 | 22.08 | — | 22.18 | 28.07 | 15.36 | 19.81 | 22.28 | 18.03 | 12.66 | 16.97 | 12.33 | 16.21 | 19.81 | 13.39 | 20.81 | 21.82 | 24.51 | 14.14 | 23.55 | 18.03 |
| Standard Deviation | | | — | — | — | 8.33 | 9.58 | 6.39 | 7.62 | 10.37 | 6.53 | 5.90 | 7.90 | 6.30 | 7.29 | 9.19 | 6.51 | 9.18 | 9.56 | 9.64 | 6.88 | 9.83 | 6.53 |
| SPELLING | | | | | | | | | | | | | | | | | | | | | | | |
| Mean | 17.64 | 20.63 | 17.17 | 24.46 | — | 16.90 | 29.46 | 13.69 | 19.37 | 19.77 | 21.83 | 13.30 | 19.42 | 12.92 | 18.30 | 27.81 | 21.67 | 19.39 | 25.29 | 25.60 | 15.75 | 25.02 | 21.83 |
| Standard Deviation | | | — | — | — | 11.77 | 7.81 | 10.95 | 12.72 | 12.25 | 11.77 | 10.81 | 12.38 | 12.53 | 10.68 | 13.44 | 11.18 | 10.58 | 9.67 | 9.19 | 11.76 | 12.68 | 11.77 |
| RAVEN'S PROGRESSIVE MAT. | | | | | | | | | | | | | | | | | | | | | | | |
| Mean | 18.15 | 18.95 | 18.83 | 20.33 | — | 18.62 | 21.42 | 19.51 | 19.41 | 21.00 | 18.59 | 17.89 | 18.18 | 16.88 | 17.86 | 17.95 | 16.89 | 20.35 | 22.04 | 22.27 | 18.88 | 21.39 | 18.59 |
| Standard Deviation | | | — | — | — | 3.54 | 3.41 | 3.91 | 5.27 | 3.95 | 3.47 | 4.27 | 5.53 | 5.23 | 4.39 | 4.42 | 4.31 | 4.49 | 3.55 | 3.51 | 4.54 | 4.46 | 3.47 |
| COOPERSMITH'S SELF-EST. | | | | | | | | | | | | | | | | | | | | | | | |
| Mean | 35.64 | 36.59 | 35.85 | 37.62 | — | 36.44 | 37.91 | 34.32 | 35.96 | 40.00 | 37.52 | 34.46 | 33.53 | 34.58 | 37.95 | 38.27 | 33.94 | 36.65 | 37.68 | 37.61 | 33.63 | 38.34 | 37.52 |
| Standard Deviation | | | — | — | — | 6.87 | 7.26 | 6.18 | 8.28 | 7.98 | 6.52 | 7.71 | 6.63 | 7.44 | 5.75 | 5.33 | 7.89 | 7.73 | 7.73 | 7.43 | 7.23 | 7.48 | 6.52 |
| IARS-LOCUS NEGATIVE | | | | | | | | | | | | | | | | | | | | | | | |
| Mean | 9.91 | 10.11 | 9.70 | 10.27 | — | 10.51 | 11.16 | 8.95 | 9.00 | 9.79 | 8.66 | 10.17 | 10.68 | 11.00 | 9.49 | 10.27 | 9.00 | 9.49 | 9.73 | 11.00 | 9.54 | 9.95 | 8.66 |
| Standard Deviation | | | — | — | — | 2.87 | 2.67 | 2.66 | 2.45 | 2.74 | 3.14 | 2.73 | 2.22 | 2.60 | 2.31 | 2.31 | 3.46 | 3.13 | 2.70 | 2.50 | 2.49 | 3.02 | 3.14 |
| IARS-LOCUS POSITIVE | | | | | | | | | | | | | | | | | | | | | | | |
| Mean | 12.83 | 13.07 | 12.94 | 13.51 | — | 13.56 | 13.91 | 12.57 | 12.93 | 13.44 | 12.72 | 12.66 | 12.92 | 11.96 | 12.60 | 13.92 | 13 11 | 13.40 | 13.23 | 13.77 | 12.50 | 13.64 | 12.72 |
| Standard Deviation | | | — | — | — | 2.28 | 1.74 | 2.68 | 3.06 | 2.06 | 3.12 | 2.48 | 2.01 | 2.65 | 2.09 | 1.57 | 1.57 | 2.51 | 2.61 | 2.11 | 2.63 | 2.05 | 3.12 |
| WORD KNOWLEDGE | | | | | | | | | | | | | | | | | | | | | | | |
| Mean | 23.30 | 26.29 | 23.95 | 32.43 | — | 24.97 | 37.58 | 20.77 | 27.89 | 30.77 | 26.24 | 19.41 | 23.21 | 18.08 | 20.86 | 33.89 | 24.72 | 27.14 | 34.86 | 34.79 | 23.41 | 34.27 | 26.24 |
| Standard Deviation | | | — | — | — | 10.43 | 7.32 | 10.54 | 13.27 | 12.01 | 11.06 | 9.24 | 10.86 | 10.30 | 8.10 | 12.69 | 9.50 | 10.85 | 10.18 | 9.22 | 11.15 | 12.24 | 11.06 |
| READING | | | | | | | | | | | | | | | | | | | | | | | |
| Mean | 17.95 | 19.85 | 18.57 | 23.34 | — | 19.23 | 27.88 | 16.36 | 20.67 | 22.44 | 19.10 | 15.32 | 16.53 | 14.50 | 17.88 | 21.03 | 15.94 | 20.84 | 26.01 | 27.17 | 17.46 | 26.16 | 19.10 |
| Standard Deviation | | | — | — | — | 7.21 | 7.89 | 5.94 | 8.87 | 9.33 | 7.46 | 5.58 | 7.93 | 5.10 | 5.97 | 8.22 | 6.38 | 8.53 | 9.03 | 8.38 | 8.41 | 9.92 | 7.46 |
| MATH COMPUTATIONS | | | | | | | | | | | | | | | | | | | | | | | |
| Mean | 18.16 | 18.55 | 19.25 | 21.29 | — | 23.49 | 26.89 | 14.72 | 21.37 | 19.35 | 17.66 | 13.72 | 15.45 | 14.25 | 22.51 | 22.57 | 17.06 | 19.73 | 22.50 | 23.43 | 14.68 | 20.98 | 17.66 |
| Standard Deviation | | | — | — | — | 6.72 | 7.37 | 6.01 | 7.50 | 7.72 | 7.45 | 6.27 | 7.76 | 4.07 | 7.19 | 8.09 | 7.03 | 7.36 | 7.57 | 6.15 | 6.05 | 7.57 | 7.45 |
| MATH CONCEPTS | | | | | | | | | | | | | | | | | | | | | | | |
| Mean | 16.41 | 18.04 | 17.27 | 21.10 | — | 18.41 | 25.62 | 14.07 | 19.19 | 21.49 | 17.41 | 13.17 | 15.87 | 12.17 | 18.86 | 19.05 | 16.56 | 19.75 | 23.27 | 24.66 | 14.27 | 21.30 | 17.41 |
| Standard Deviation | | | — | — | — | 5.32 | 7.14 | 6.19 | 7.72 | 7.65 | 6.74 | 6.48 | 9.32 | 5.10 | 6.02 | 6.52 | 6.72 | 7.82 | 7.63 | 7.59 | 7.35 | 9.03 | 6.74 |
| MATH PROBLEM SOLVING | | | | | | | | | | | | | | | | | | | | | | | |
| Mean | 13.20 | 14.25 | 13.83 | 16.67 | — | 14.85 | 21.21 | 12.24 | 15.93 | 16.56 | 13.07 | 9.72 | 11.92 | 9.21 | 15.02 | 13.70 | 13.67 | 15.97 | 19.39 | 19.58 | 11.50 | 17.20 | 13.07 |
| Standard Deviation | | | — | — | — | 5.98 | 7.27 | 5.75 | 7.04 | 8.51 | 5.44 | 5.21 | 6.92 | 4.81 | 5.66 | 5.92 | 5.71 | 7.18 | 7.81 | 7.51 | 7.02 | 7.72 | 5.44 |
| LANGUAGE PART A | | | | | | | | | | | | | | | | | | | | | | | |
| Mean | 7.59 | 8.13 | 8.28 | 9.48 | — | 9.03 | 11.26 | 6.95 | 8.89 | 8.72 | 8.28 | 6.63 | 7.92 | 5.71 | 8.53 | 9.43 | 7.06 | 9.17 | 9.78 | 10.25 | 7.41 | 9.77 | 8.28 |
| Standard Deviation | | | — | — | — | 2.71 | 2.65 | 3.32 | 2.97 | 3.29 | 2.95 | 2.77 | 3.47 | 3.36 | 3.27 | 3.22 | 3.44 | 3.44 | 3.03 | 2.51 | 3.07 | 3.06 | 2.95 |
| LANGUAGE PART B | | | | | | | | | | | | | | | | | | | | | | | |
| Mean | 9.01 | 10.31 | 9.36 | 12.60 | — | 13.15 | 16.80 | 8.41 | 10.93 | 13.56 | 9.76 | 6.03 | 9.05 | 6.63 | 7.67 | 10.38 | 6.33 | 11.64 | 12.04 | 14.26 | 6.73 | 13.77 | 9.76 |
| Standard Deviation | | | — | — | — | 6.80 | 8.01 | 4.29 | 5.41 | 7.58 | 4.85 | 4.49 | 5.71 | 4.16 | 5.58 | 7.32 | 4.12 | 6.91 | 7.76 | 8.23 | 4.80 | 7.76 | 4.85 |
| BEST MATCH SITE | | | | | | Tulare, CA | | | Richmond, VA | | | Paterson, NJ | | | Ravenswood, CA | | | Grear Falls, MT | | | Richmond, VA | | |

Table C3-IIIK-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K LOCAL ANALYSES FOR THE TEEM MODEL

CODE

FKW = Fall Kindergarten WRAT
NOOCCUP = Missing Occupation
SEX = Sex
ENTAGE = Entry Age
LANG = First Language
OCCUP = Occupation
INCOME = Income
ETH1 = White vs. Black
ETH2 = White vs. Other
NOINC = Missing Income

MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .73419798 | .57735895E-01 |
| NOOCCUP | 1.6193823 | 3.4125239 |
| SEX | 1.7042238 | 1.4005923 |
| ENTAGE | -.32713498 | .17790450 |
| LANG | -.18187908 | 5.0707548 |
| OCCUP | .66988862 | .32842241 |
| INCOME | .26101768E-04 | .27286961E-03 |
| ETH1 | 3.7725540 | 1.7253545 |
| ETH2 | -.76180098 | 2.5795420 |
| NOINC | -2.2415464 | 3.5484190 |

MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .88512966 | .62340264E-01 |
| NOOCCUP | 2.6854154 | 3.6846686 |
| SEX | .21616074 | 1.5122879 |
| ENTAGE | -.19632249 | .19217855 |
| LANG | -2.0200554 | 6.3389405 |
| OCCUP | .58350792 | .35461371 |
| INCOME | -.39614393E-04 | .29463064E-03 |
| ETH1 | 5.1697745 | 1.8629495 |
| ETH2 | -1.6762620 | 2.7852574 |
| NOINC | -4.2747973 | 3.8314011 |

MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .38956963 | .38151184E-01 |
| NOOCCUP | -.70971903 | 2.2549547 |
| SEX | 2.6663768 | .92549453 |
| ENTAGE | -.16997820 | .11761001 |
| LANG | 3.1031547 | 3.8793240 |
| OCCUP | .33751574 | .21701757 |
| INCOME | .80657744E-04 | .18030895E-03 |
| ETH1 | 1.4212076 | 1.1400935 |
| ETH2 | -1.7153348 | 1.7045303 |
| NOINC | -.33944669 | 2.3447525 |

MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .27601606 | .29864677E-01 |
| NOOCCUP | 2.7754326 | 1.7651744 |
| SEX | 2.4179226 | .72447543 |
| ENTAGE | -.15968727 | .92064905E-01 |
| LANG | -1.7203081 | 3.0367278 |
| OCCUP | .24926486 | .16988096 |
| INCOME | -.12205802E-04 | .14114552E-03 |
| ETH1 | 1.6831525 | .89246309 |
| ETH2 | .88385669 | 1.3343032 |
| NOINC | -1.9981392 | 1.8354680 |

Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .12745362 | .14967393E-01 |
| NOOCCUP | -.34874857 | .88465910 |
| SEX | -.97352037 | .36308808 |
| ENTAGE | -.27705344E-01 | .46140515E-01 |
| LANG | .39906960 | 1.5219283 |
| OCCUP | .11199865 | .85139879E-01 |
| INCOME | .63629516E-04 | .70738430E-04 |
| ETH1 | 1.4406801 | .44727908 |
| ETH2 | -.96616899 | .66871775 |
| NOINC | .11318948 | .91988839 |

Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .14440642 | .28029948E-01 |
| NOOCCUP | -1.8370342 | 1.6567314 |
| SEX | 1.2440509 | .67996746 |
| ENTAGE | .54018678E-02 | .86408921E-01 |
| LANG | -2.2658599 | 2.8501672 |
| OCCUP | .27216707 | .15944437 |
| INCOME | -.19682292E-04 | .13247428E-03 |
| ETH1 | .17172499 | .83763484 |
| ETH2 | -.92379242E-01 | 1.2523306 |
| NOINC | 2.6623771 | 1.7227065 |

IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .24468849E-01 | .90929630E-02 |
| NOOCCUP | -.30057319 | .53744648 |
| SEX | .38064730 | .22058260 |
| ENTAGE | -.36385789E-02 | .28031201E-01 |
| LANG | -.60127462 | .92459908 |
| OCCUP | .26564137E-01 | .51724024E-01 |
| INCOME | .15062470E-05 | .42974882E-04 |
| ETH1 | .17395083 | .27173017 |
| ETH2 | .32606520 | .40625818 |
| NOINC | -.12307572 | .55884891 |

## Table C3-IIIK-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .33619729E-01 | .10659243E-01 |
| NOOCCUP | .48466313 | .63002268 |
| SEX | -.29220273 | .25857838 |
| ENTAGE | -.13981042E-01 | .32859630E-01 |
| LANG | .34987783 | 1.0838631 |
| OCCUP | .22962520E-01 | .60633587E-01 |
| INCOME | .25813844E-04 | .50377388E-04 |
| ETH1 | .64696007 | .31853622 |
| ETH2 | -.49418661 | .47623694 |
| NOINC | -.71726344 | .65511172 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .41811863 | .34679766E-01 |
| NOOCCUP | .60515976 | 2.0497739 |
| SEX | .72832090 | .84128278 |
| ENTAGE | -.21557573 | .10690855 |
| LANG | 1.0683025 | 3.5263401 |
| OCCUP | .39890611 | .19727091 |
| INCOME | .48645508E-04 | .16390244E-03 |
| ETH1 | 2.0423982 | 1.0363551 |
| ETH2 | -.63854723 | 1.5494332 |
| NOINC | -1.2159228 | 2.1314009 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .31607935 | .27170174E-01 |
| NOOCCUP | 1.0142225 | 1.6059138 |
| SEX | .97590293 | .65911055 |
| ENTAGE | -.11155917 | .83758465E-01 |
| LANG | -1.2501816 | 2.7627428 |
| OCCUP | .27098251 | .15455366 |
| INCOME | -.22543740E-04 | .12841084E-03 |
| ETH1 | 1.7301566 | .81194173 |
| ETH2 | -.12325375 | 1.2139174 |
| NOINC | -1.0256236 | 1.6698652 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .32350486 | .22921612E-01 |
| NOOCCUP | 1.1046008 | 1.3547993 |
| SEX | -.28604382 | .55604634 |
| ENTAGE | -.89540338E-01 | .70661270E-01 |
| LANG | 1.6612065 | 2.3307365 |
| OCCUP | .32015653 | .13038632 |
| INCOME | -.18554510E-04 | .10833142E-03 |
| ETH1 | 2.5248041 | .68497952 |
| ETH2 | -1.2516551 | 1.0240988 |
| NOINC | -1.6861737 | 1.4087507 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .27449794 | .24891581E-01 |
| NOOCCUP | -.22507070 | 1.4712358 |
| SEX | .15864372 | .60383506 |
| ENTAGE | -.35691874E-01 | .76734165E-01 |
| LANG | -1.7071545 | 2.5310488 |
| OCCUP | .41237346E-01 | .14159221 |
| INCOME | -.40840878E-04 | .11764183E-03 |
| ETH1 | 1.3205084 | .74384924 |
| ETH2 | -.21255792 | 1.1121137 |
| NOINC | -.63746881E-01 | 1.5298240 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .28712685 | .22823895E-01 |
| NOOCCUP | 1.8058852 | 1.3490237 |
| SEX | .34356083 | .55367588 |
| ENTAGE | -.71090281E-01 | .70360037E-01 |
| LANG | -1.9741075 | 2.3208005 |
| OCCUP | .22211405 | .12983048 |
| INCOME | .19780995E-04 | .10786959E-03 |
| ETH1 | 1.3244620 | .68205942 |
| ETH2 | -.21204900 | 1.0197330 |
| NOINC | -2.5248767 | 1.4027451 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .88012903E-01 | .11091334E-01 |
| NOOCCUP | .89428255 | .65556172 |
| SEX | .51355383 | .26906030 |
| ENTAGE | -.69951876E-01 | .34191651E-01 |
| LANG | -.18730444 | 1.1277993 |
| OCCUP | .76137148E-01 | .63091473E-01 |
| INCOME | .30800268E-04 | .52419522E-04 |
| ETH1 | .29868361 | .33144863 |
| ETH2 | .49101510 | .49554202 |
| NOINC | -.59162510 | .68166779 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .18720315 | .24073021E-01 |
| NOOCCUP | 1.8811501 | 1.4228542 |
| SEX | 1.9043688 | .58397794 |
| ENTAGE | -.89735393E-01 | .74210762E-01 |
| LANG | -1.5330037 | 2.4478153 |
| OCCUP | .17312771 | .13693595 |
| INCOME | -.43006070E-04 | .11377317E-03 |
| ETH1 | 1.3844689 | .71938776 |
| ETH2 | .39284159 | 1.0755418 |
| NOINC | -1.4065141 | 1.4795157 |

## Table C3-IIIK(PS)-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K PRESCHOOL ADJUSTED LOCAL ANALYSES FOR THE TEEM MODEL

### CODE

SEX = Sex
ENTAGE = Entry Age
NOINC = Missing Income
OCCUP = Occupation
INCOME = Income
NOOCCUP = Missing Occupation
ETH2 = White vs. Other
ETH1 = White vs. Black
LANG = First Language
PSSOME = Some Preschool
PSHS = Head Start
FKW = Fall Kindergarten WRAT
FKWHS = FKW x Head Start
FKWSOME = FKW x Some Preschool

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.15858168 | 1.4973810 |
| ENTAGE | -.21176719 | .19033276 |
| NOINC | -5.8391536 | 3.8057398 |
| OCCUP | .53751055 | .36112435 |
| INCOME | -.63871377E-04 | .29719856E-03 |
| NOOCCUP | 3.2666606 | 3.6233429 |
| ETH2 | -1.4292953 | 2.9093993 |
| ETH1 | 4.6181389 | 1.9095541 |
| LANG | -1.0780272 | 6.2453028 |
| PSSOME | -5.2217123 | 5.9854563 |
| PSHS | 4.0116566 | 4.6549187 |
| FKW | .99102466 | .85021350E-01 |
| FKWHS | -.22922846 | .13522983 |
| FKWSOME | .55649622E-01 | .15492771 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 2.1040730 | .71270309 |
| ENTAGE | -.15363394 | .90592005E-01 |
| NOINC | -1.7359911 | 1.8114045 |
| OCCUP | .19753699 | .17188308 |
| INCOME | -.45778946E-04 | .14145654E-03 |
| NOOCCUP | 2.8871467 | 1.7245897 |
| ETH2 | 1.2469919 | 1.3847764 |
| ETH1 | 1.3219105 | .90888347 |
| LANG | -1.6085070 | 2.9725546 |
| PSSOME | -1.2157326 | 2.8489764 |
| PSHS | 4.1409911 | 2.2155851 |
| FKW | .33675572 | .40467310E-01 |
| FKWHS | -.17303019 | .64364862E-01 |
| FKWSOME | .26951771E-01 | .73740392E-01 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 1.1945041 | .69146676 |
| ENTAGE | .42797096E-01 | .87892646E-01 |
| NOINC | 2.0179340 | 1.7574302 |
| OCCUP | .29976147 | .16676150 |
| INCOME | -.33825730E-06 | .13724158E-03 |
| NOOCCUP | -1.6029174 | 1.6732023 |
| ETH2 | -.82322566 | 1.3435144 |
| ETH1 | .46161624 | .88180177 |
| LANG | -1.1320043 | 2.0839817 |
| PSSOME | .94162125 | 2.7639887 |
| PSHS | .46550417 | 2.1495676 |
| FKW | .17675102 | .39261510E-01 |
| FKWHS | -.46057241E-01 | .62446090E-01 |
| FKWSOME | -.72890517E-01 | .71543158E-01 |

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 1.3610173 | 1.3649479 |
| ENTAGE | -.27188369 | .17349850 |
| NOINC | -1.1649299 | 3.4691357 |
| OCCUP | .59024439 | .32918419 |
| INCOME | .49424606E-05 | .27091240E-03 |
| NOOCCUP | 1.4971430 | 3.3028711 |
| ETH2 | -1.0181616 | 2.6520732 |
| ETH1 | 3.0811016 | 1.7406408 |
| LANG | .82305510 | 5.0929280 |
| PSSOME | -3.6165540 | 5.4560640 |
| PSHS | 1.4794369 | 4.2432077 |
| FKW | .81452176 | .77501514E-01 |
| FKWHS | -.18416052 | .12326923 |
| FKWSOME | .56913377E-01 | .14122491 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 2.4048973 | .91900102 |
| ENTAGE | -.14268274 | .11681463 |
| NOINC | .28770252 | 2.3357308 |
| OCCUP | .28350631 | .22163608 |
| INCOME | .51124993E-04 | .18240233E-03 |
| NOOCCUP | -.97373695 | 2.2237867 |
| ETH2 | -1.5675547 | 1.7856116 |
| ETH1 | .87400350 | 1.1719677 |
| LANG | 3.2720202 | 3.8329856 |
| PSSOME | -3.9664958 | 3.6735077 |
| PSHS | -3.9457643 | 2.8569049 |
| FKW | .37235362 | .52180914E-01 |
| FKWHS | .41352062E-01 | .82995815E-01 |
| FKWSOME | .98401658E-01 | .95085171E-01 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.0219317 | .37040296 |
| ENTAGE | -.37536119E-01 | .47082084E-01 |
| NOINC | .18306347 | .94141527 |
| OCCUP | .11115565 | .89330327E-01 |
| INCOME | .66314613E-04 | .73517181E-04 |
| NOOCCUP | -.40270005 | .89629626 |
| ETH2 | -.94377995 | .71969000 |
| ETH1 | 1.3227877 | .47236108 |
| LANG | .38467383 | 1.5448832 |
| PSSOME | -.95180531 | 1.4806057 |
| PSHS | .17125401 | 1.1514743 |
| FKW | .13630016 | .21031495E-01 |
| FKWHS | -.15916425E-01 | .33451427E-01 |
| FKWSOME | .11304149E-01 | .38324037E-01 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .38607683 | .22152981 |
| ENTAGE | .11910045E-01 | .28158752E-01 |
| NOINC | .10477843 | .56303962 |
| OCCUP | .21704817E-01 | .53426490E-01 |
| INCOME | .74762765E-06 | .43968997E-04 |
| NOOCCUP | -.61610585 | .53605494 |
| ETH2 | -.65995940E-01 | .43043065 |
| ETH1 | .28334943 | .28250870 |
| LANG | -.14842724 | .92396040 |
| PSSOME | -.64675649 | .86551746 |
| PSHS | -.53225669 | .66867126 |
| FKW | .20965462E-01 | .12578471E-01 |
| FKWHS | .12185463E-01 | .20006558E-01 |
| FKWSOME | .56750620E-02 | .22920757E-01 |

Table C3-IIIK(PS)-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.24418743 | .26315934 |
| ENTAGE | -.53919974E-03 | .33450300E-01 |
| NOINC | -.52316493 | .66884515 |
| OCCUP | .20649550E-01 | .63466313E-01 |
| INCOME | .25675879E-04 | .52231583E-04 |
| NOOCCUP | .30104306 | .63678955 |
| ETH2 | -.45226078 | .51131650 |
| ETH1 | .48415616 | .33559729 |
| LANG | .21858523 | 1.0975896 |
| PSSOME | -1.0158742 | 1.0519255 |
| PSHS | -.43283715 | .81808529 |
| FKW | .25561224E-01 | .14942198E-01 |
| FKWHS | .12551185E-01 | .23766159E-01 |
| FKWSOME | .21669490E-01 | .27227991E-01 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .91044244 | .64837703 |
| ENTAGE | -.99783420E-01 | .82415491E-01 |
| NOINC | -.71521781 | 1.6479135 |
| OCCUP | .23454610 | .15636952 |
| INCOME | -.32583245E-04 | .12868917E-03 |
| NOOCCUP | .95415354 | 1.5689343 |
| ETH2 | -.32443036 | 1.2597914 |
| ETH1 | 1.5126623 | .82685104 |
| LANG | -.61613950 | 2.7042623 |
| PSSOME | -2.0463771 | 2.5917469 |
| PSHS | 2.2000623 | 2.0156142 |
| FKW | .36003104 | .36814873E-01 |
| FKWHS | -.11440372 | .58555517E-01 |
| FKWSOME | .38061603E-01 | .67084845E-01 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.33440691E-01 | .60719434 |
| ENTAGE | -.56107203E-01 | .77180741E-01 |
| NOINC | -.80956312 | 1.5432437 |
| OCCUP | .49691627E-01 | .14643746 |
| INCOME | -.24977783E-04 | .12051528E-03 |
| NOOCCUP | -.10364908E-01 | 1.4692809 |
| ETH2 | -.20853819 | 1.1797738 |
| ETH1 | 1.1124462 | .77433229 |
| LANG | -1.4554091 | 2.5324968 |
| PSSOME | -.40782124 | 2.4271280 |
| PSHS | .19079844 | 1.8875893 |
| FKW | .30888668 | .34476519E-01 |
| FKWHS | -.40610994E-01 | .54836271E-01 |
| FKWSOME | -.33187780E-01 | .62823845E-01 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .41769052 | .27056940 |
| ENTAGE | -.69558100E-01 | .34392196E-01 |
| NOINC | -.50608782 | .68767854 |
| OCCUP | .93540357E-01 | .65253401E-01 |
| INCOME | .31441968E-04 | .53702323E-04 |
| NOOCCUP | .83712111 | .65472031 |
| ETH2 | .58071106 | .52571419 |
| ETH1 | .20307404 | .34504707 |
| LANG | -.28879705 | 1.1284956 |
| PSSOME | 1.5891526 | 1.0815426 |
| PSHS | .51352456 | .84112099 |
| FKW | .10895917 | .15362941E-01 |
| FKWHS | -.28283193E-01 | .24435368E-01 |
| FKWSOME | -.47652512E-01 | .27994678E-01 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .45057488 | .81950751 |
| ENTAGE | -.17210027 | .10416796 |
| NOINC | -.44971205 | 2.0826583 |
| OCCUP | .35570429 | .19764117 |
| INCOME | .31525726E-04 | .16265497E-03 |
| NOOCCUP | .54299450 | 1.9830336 |
| ETH2 | -.69375127 | 1.5922965 |
| ETH1 | 1.5684393 | 1.0450874 |
| LANG | 1.4391946 | 3.4180163 |
| PSSOME | -1.5701768 | 3.2758039 |
| PSHS | -.72062531 | 2.5476087 |
| FKW | .45449072 | .46531669E-01 |
| FKWHS | -.69756791E-01 | .74010466E-01 |
| FKWSOME | .18051774E-01 | .84790996E-01 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.44973334 | .55204368 |
| ENTAGE | -.95738545E-01 | .70170516E-01 |
| NOINC | -2.0707329 | 1.4030729 |
| OCCUP | .30322522 | .13313674 |
| INCOME | -.49189236E-04 | .10956904E-03 |
| NOOCCUP | 1.2613154 | 1.3358281 |
| ETH2 | -.86902256 | 1.0726165 |
| ETH1 | 2.2836049 | .70400072 |
| LANG | 1.5431552 | 2.3024735 |
| PSSOME | -2.3824295 | 2.2066752 |
| PSHS | 1.2918310 | 1.7161421 |
| FKW | .35117384 | .31345062E-01 |
| FKWHS | -.62339600E-01 | .49855565E-01 |
| FKWSOME | .52405313E-01 | .57117638E-01 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .32459235 | .54303368 |
| ENTAGE | -.63921440E-01 | .69025251E-01 |
| NOINC | -2.9588576 | 1.3801731 |
| OCCUP | .18459350 | .13096379 |
| INCOME | .10295641E-04 | .10778074E-03 |
| NOOCCUP | 2.0157101 | 1.3140258 |
| ETH2 | -.35173454 | 1.0551101 |
| ETH1 | 1.2220078 | .69251060 |
| LANG | -1.1657733 | 2.2648944 |
| PSSOME | -2.4314617 | 2.1706596 |
| PSHS | 2.5290271 | 1.6881326 |
| FKW | .33096414 | .30833474E-01 |
| FKWHS | -.12627787 | .49041864E-01 |
| FKWSOME | .36432088E-01 | .56185411E-01 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 1.6863825 | .57650078 |
| ENTAGE | -.84075836E-01 | .73279268E-01 |
| NOINC | -1.2299033 | 1.4652330 |
| OCCUP | .10399664 | .13903507 |
| INCOME | -.77220914E-04 | .11442325E-03 |
| NOOCCUP | 2.0500256 | 1.3950091 |
| ETH2 | .66628081 | 1.1201364 |
| ETH1 | 1.1188364 | .73518994 |
| LANG | -1.3197100 | 2.4044795 |
| PSSOME | -2.8049852 | 2.3044371 |
| PSHS | 3.6274666 | 1.7921720 |
| FKW | .22779655 | .32733737E-01 |
| FKWHS | -.14474700 | .52064308E-01 |
| FKWSOME | .74604283E-01 | .59648111E-01 |

## Table C3-IIIK(PS)-26

## TREATMENT REGRESSION COEFFICIENTS AND STANDARD ERRORS BY OUTCOME FOR HEAD START STUDIES OF COHORT III-K SITES IN THE TEEM MODEL

| | Chiloquin, OR | | Des Moines, IA | | Lakewood, NJ | | Newark, NJ | | Lincoln, NE | | Wichita, KS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local |
| Word Knowledge b | -5.83** | -5.31* | .08 | .32 | -.66 | -.57 | -14.97** | -14.89 | -7.12** | -5.97** | -2.68* | -4.49* |
| Standard Error | 1.82 | 2.24 | 2.19 | 2.75 | .81 | 2.31 | 1.20 | 2.42 | .88 | 1.46 | 1.20 | 2.26 |
| Spelling b | -5.36* | -6.24* | -.59 | 1.46 | -.16 | -2.54 | -10.58** | -11.67** | -5.17** | -4.75** | -2.00 | -3.03 |
| Standard Error | 2.05 | 2.52 | 2.60 | 3.09 | 1.05 | 2.59 | 1.33 | 2.71 | .96 | 1.63 | 1.65 | 2.53 |
| Language b | -2.20 | -2.22 | 1.60 | .82 | .60 | -2.76 | -3.41** | -3.00 | .05 | .01 | -4.17** | -5.64** |
| Standard Error | 1.17 | 1.95 | 1.42 | 2.39 | .56 | 2.01 | 1.17 | 2.10 | .71 | 1.27 | .88 | 1.96 |
| Math Computations b | 1.99 | .65 | 5.00** | 5.20* | -1.87* | -1.03 | -.59 | -.86 | -1.85** | -1.84 | -4.05** | -2.52 |
| Standard Error | 1.36 | 1.66 | 1.43 | 2.04 | .69 | 1.71 | 1.03 | 1.79 | .57 | 1.08 | .78 | 1.67 |
| Raven's b | -1.17 | -.62 | -.34 | .25 | -.39 | -.00 | -1.14 | -.03 | -.93* | -1.18 | -.90 | -.49 |
| Standard Error | .60 | 1.01 | 1.00 | 1.24 | .50 | 1.04 | 1.66 | 1.09 | .37 | .66 | .60 | 1.02 |
| Reading b | -4.19** | -4.17* | 2.92 | 1.85 | -.67 | .34 | -3.72** | -3.40 | -4.11** | -4.11** | -4.05** | -4.00* |
| Standard Error | 1.33 | 1.77 | 1.56 | 2.18 | .56 | 1.83 | .89 | 1.91 | .67 | 1.15 | .92 | 1.78 |
| Math Concepts b | -2.64** | -2.01 | -.22 | .82 | -1.05 | -1.31 | -1.24 | -.55 | -2.04** | -2.19* | -1.45 | -1.55 |
| Standard Error | .86 | 1.51 | 1.30 | 1.85 | .59 | 1.56 | .85 | 1.63 | .59 | .98 | .79 | 1.52 |
| Math Problem Solving b | 2.06* | -2.08 | 1.88 | 2.22 | -2.64** | -1.14 | 1.98* | 1.20 | -2.29** | -2.21* | -1.74 | -1.15 |
| Standard Error | .93 | 1.49 | 1.33 | 1.82 | .59 | 1.53 | .93 | 1.60 | .55 | .96 | .88 | 1.49 |
| Coopersmith b | -.33 | 1.28 | -1.94 | -3.10 | -.16 | 1.04 | -.89 | -.72 | -.65 | -.91 | -3.90** | -4.07 |
| Standard Error | 1.17 | 1.89 | 1.70 | 2.32 | .93 | 1.95 | .87 | 2.04 | .69 | 1.23 | .95 | 1.90 |
| IARS(-) b | .31 | -.03 | -.43 | -.54 | -1.06** | -.36 | -1.21** | -.96 | -.15 | -.02 | -1.54** | .43 |
| Standard Error | .52 | .72 | .63 | .88 | .32 | .74 | .36 | .78 | .29 | .47 | .42 | .72 |
| IARS(+) b | .10 | .14 | .07 | -.56 | -.39 | -.14 | -1.62** | -1.22 | .29 | .17 | -1.34** | -.73 |
| Standard Error | .41 | .61 | .43 | .74 | .27 | .62 | .33 | .65 | .24 | .39 | .38 | .61 |
| Total Reading b | -10.02** | -9.48* | 3.01 | 2.17 | -1.33 | -.23 | -18.69** | -18.29** | -11.21** | -10.08** | -6.73** | -8.49** |
| Standard Error | 3.01 | 3.74 | 3.55 | 4.59 | 1.19 | 3.85 | 1.91 | 4.02 | 1.42 | 2.42 | 1.90 | 3.76 |
| Total Math b | -2.71 | -3.44 | 6.65 | 8.24 | -5.56** | -3.48 | .15 | -.22 | -6.17** | -6.23** | -7.24** | -5.22 |
| Standard Error | 2.76 | 4.10 | 3.78 | 5.03 | 1.51 | 4.22 | 2.54 | 4.41 | 1.51 | 2.66 | 2.18 | 4.12 |
| Language Part A b | -.78 | -.46 | 1.03 | .88 | .65* | -.54 | -1.03* | -.93 | -.31 | -.25 | -1.05* | -1.24 |
| Standard Error | .42 | .74 | .58 | .91 | .30 | .76 | .51 | .80 | .29 | .48 | .39 | .74 |
| Language Part B b | -1.43 | -1.77 | .57 | -.06 | -.06 | -2.22 | -2.38* | -2.07 | .36 | .26 | -3.12** | -4.40** |
| Standard Error | 1.00 | 1.58 | 1.08 | 1.94 | .45 | 1.63 | .90 | 1.70 | .57 | 1.02 | .68 | 1.59 |

* p< .05

** p< .01

## Table C3-IIIK(PS)-27

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR TEEM MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 175 | 40 | 114 | 329 | 42 | 90 | 160 | 292 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 27.78 | 33.70 | 33.83 | 30.60 | 27.45 | 38.19 | 35.56 | 35.21 |
| STANDARD DEVIATION | 11.75 | 11.56 | 14.69 | 13.14 | 12.97 | 13.38 | 12.89 | 13.44 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.46 | 14.30 | 14.71 | 13.88 | 14.00 | 15.76 | 15.32 | 15.27 |
| STANDARD DEVIATION | 1.44 | 2.53 | 1.98 | 1.88 | 2.09 | 2.62 | 2.27 | 2.45 |
| NUMBER | 118 | 37 | 42 | 197 | 37 | 87 | 94 | 218 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4907.91 | 5807.71 | 7106.63 | 5529.83 | 5734.95 | 7927.63 | 7412.33 | 7339.02 |
| STANDARD DEVIATION | 2244.36 | 2830.19 | 2773.52 | 2614.07 | 2757.44 | 2710.19 | 2585.01 | 2759.10 |
| MEDIAN | 4700.00 | 5250.00 | 7700.00 | 5146.93 | 5080.00 | 9783.42 | 8000.00 | 8037.31 |
| NUMBER | 126 | 38 | 43 | 207 | 37 | 89 | 95 | 221 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 2.38 | 18.42 | 34.88 | 12.08 | 18.92 | 46.07 | 30.53 | 34.84 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 24.57 | 37.50 | 86.84 | 47.72 | 26.19 | 68.89 | 81.88 | 69.86 |
| PERCENT BLACK | 62.86 | 60.00 | 8.77 | 43.77 | 69.05 | 30.00 | 15.63 | 27.74 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 55.43 | 62.50 | 50.00 | 54.41 | 47.62 | 48.89 | 46.88 | 47.60 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 66.08 | 65.30 | 65.54 | 65.80 | 64.26 | 66.39 | 65.90 | 65.81 |
| STANDARD DEVIATION | 4.20 | 4.11 | 3.99 | 4.12 | 4.67 | 4.02 | 4.31 | 4.31 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 92.00 | 100.00 | 97.37 | 94.83 | 100.00 | 100.00 | 98.75 | 99.32 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.08 | 12.36 | 11.77 | 11.45 | 11.80 | 13.50 | 12.51 | 12.79 |
| STANDARD DEVIATION | 2.83 | 2.62 | 2.72 | 2.80 | 2.51 | 1.99 | 2.14 | 2.22 |
| NUMBER | 124 | 35 | 43 | 202 | 35 | 87 | 98 | 220 |
| PERCENT HS GRAD | 40.32 | 71.43 | 58.14 | 49.51 | 48.57 | 81.61 | 62.24 | 67.73 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 37.50 | 39.47 | 11.63 | 32.54 | 48.72 | 20.00 | 19.19 | 24.56 |
| NUMBER | 128 | 38 | 43 | 209 | 39 | 90 | 99 | 228 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 53.19 | 100.00 | 0.00 | 0.00 | 14.38 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 12.16 | 0.00 | 100.00 | 0.00 | 30.82 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 34.65 | 0.00 | 0.00 | 100.00 | 54.79 |

Table C3-IIIK(PS)-28

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR TEEM MODEL IN CHICASHA, OK

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 17 | 7 | 10 | 34 | 5 | 13 | 45 | 63 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 24.71 | 33.00 | 21.40 | 25.44 | 31.80 | 38.77 | 35.20 | 35.67 |
| STANDARD DEVIATION | 10.79 | 11.60 | 13.23 | 12.09 | 13.31 | 13.53 | 12.67 | 12.81 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.46 | 14.29 | 15.57 | 14.22 | 14.75 | 16.69 | 15.92 | 16.02 |
| STANDARD DEVIATION | 2.11 | 2.98 | 2.76 | 2.58 | 2.22 | 2.17 | 2.33 | 2.30 |
| NUMBER | 13 | 7 | 7 | 27 | 4 | 13 | 36 | 53 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 3792.31 | 6614.00 | 8199.43 | 5666.44 | 8239.40 | 9261.00 | 7873.97 | 8248.66 |
| STANDARD DEVIATION | 2152.70 | 3246.92 | 2516.13 | 3123.78 | 2947.09 | 1388.66 | 2314.91 | 2228.83 |
| MEDIAN | 3300.00 | 5899.75 | 9624.00 | 5250.00 | 9332.67 | 9913.71 | 8650.25 | 9239.80 |
| NUMBER | 13 | 7 | 7 | 27 | 5 | 13 | 35 | 53 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 28.57 | 57.14 | 22.22 | 60.00 | 53.85 | 31.43 | 39.62 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 41.18 | 71.43 | 100.00 | 64.71 | 100.00 | 100.00 | 97.78 | 98.41 |
| PERCENT BLACK | 58.82 | 28.57 | 0.00 | 35.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 52.94 | 100.00 | 60.00 | 64.71 | 100.00 | 53.85 | 42.22 | 49.21 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 66.25 | 67.91 | 63.13 | 65.67 | 67.04 | 65.32 | 64.75 | 65.05 |
| STANDARD DEVIATION | 2.59 | 2.42 | 5.70 | 4.04 | 3.70 | 3.08 | 3.92 | 3.74 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.64 | 12.41 | 12.26 | 12.00 | 13.49 | 14.23 | 12.77 | 13.18 |
| STANDARD DEVIATION | 2.13 | 3.55 | 3.01 | 2.66 | 2.53 | 1.30 | 1.84 | 1.85 |
| NUMBER | 12 | 6 | 7 | 25 | 4 | 13 | 36 | 53 |
| PERCENT HS GRAD | 50.00 | 83.33 | 42.86 | 56.00 | 75.00 | 100.00 | 75.00 | 81.13 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 15.38 | 42.86 | 0.00 | 18.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| NUMBER | 13 | 7 | 7 | 27 | 5 | 13 | 36 | 54 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 50.00 | 100.00 | 0.00 | 0.00 | 7.94 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 20.59 | 0.00 | 100.00 | 0.00 | 20.63 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 29.41 | 0.00 | 0.00 | 100.00 | 71.43 |

Table C3-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR TEEM MODEL IN DES MOINES, IA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 6 | 4 | 12 | 22 | 2 | 13 | 15 | 30 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 26.00 | 36.75 | 29.75 | 30.00 | 24.50 | 39.08 | 35.40 | 36.27 |
| STANDARD DEVIATION | 12.66 | 13.62 | 16.44 | 14.82 | 2.12 | 14.65 | 13.15 | 13.64 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.00 | 13.25 | 14.73 | 14.05 | 12.50 | 16.31 | 14.55 | 15.27 |
| STANDARD DEVIATION | .82 | 1.89 | 2.41 | 2.15 | .71 | 2.25 | 1.69 | 2.24 |
| NUMBER | 4 | 4 | 11 | 19 | 2 | 13 | 11 | 26 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 5300.00 | 5649.75 | 6054.27 | 5784.80 | 2950.00 | 8983.92 | 7399.58 | 7832.81 |
| STANDARD DEVIATION | 2184.03 | 3183.36 | 3291.26 | 2900.56 | 2050.61 | 2539.66 | 2736.19 | 2981.48 |
| MEDIAN | 5700.00 | 5050.00 | 4700.00 | 4799.50 | 2950.00 | 9954.78 | 7850.00 | 9906.61 |
| NUMBER | 5 | 4 | 11 | 20 | 2 | 13 | 12 | 27 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 25.00 | 27.27 | 20.00 | 0.00 | 69.23 | 41.67 | 51.85 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 50.00 | 0.00 | 33.33 | 31.82 | 0.00 | 69.23 | 60.00 | 60.00 |
| PERCENT BLACK | 50.00 | 100.00 | 66.67 | 68.18 | 100.00 | 30.77 | 33.33 | 36.67 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 66.67 | 50.00 | 50.00 | 54.55 | 0.00 | 30.77 | 53.33 | 40.00 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 66.96 | 64.90 | 66.65 | 66.42 | 67.67 | 64.61 | 70.41 | 67.71 |
| STANDARD DEVIATION | 1.95 | 5.05 | 3.52 | 3.40 | 6.59 | 4.51 | 6.86 | 6.39 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 10.95 | 10.63 | 11.61 | 11.28 | 11.98 | 13.14 | 11.40 | 12.25 |
| STANDARD DEVIATION | 0.00 | 2.54 | 1.59 | 1.51 | 1.45 | 1.93 | 2.35 | 2.22 |
| NUMBER | 5 | 3 | 11 | 19 | 2 | 13 | 13 | 28 |
| PERCENT HS GRAD | 0.00 | 33.33 | 45.45 | 31.58 | 50.00 | 69.23 | 53.85 | 60.71 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 40.00 | 25.00 | 18.18 | 25.00 | 100.00 | 15.38 | 46.15 | 35.71 |
| NUMBER | 5 | 4 | 11 | 20 | 2 | 13 | 13 | 28 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 27.27 | 100.00 | 0.00 | 0.00 | 6.67 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 18.18 | 0.00 | 100.00 | 0.00 | 43.33 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 54.55 | 0.00 | 0.00 | 100.00 | 50.00 |

## Table C3-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR TEEM MODEL IN LAKEWOOD, NJ

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 63 | 4 | 3 | 70 | 5 | 18 | 13 | 36 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 26.43 | 34.75 | 11.33 | 26.26 | 27.40 | 32.44 | 26.38 | 29.56 |
| STANDARD DEVIATION | 11.10 | 18.61 | 9.87 | 11.93 | 12.62 | 11.53 | 10.53 | 11.38 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.32 | 15.25 | 13.50 | 13.46 | 13.40 | 13.94 | 14.67 | 14.12 |
| STANDARD DEVIATION | 1.24 | 4.50 | .71 | 1.63 | 2.07 | 2.19 | 2.06 | 2.11 |
| NUMBER | 53 | 4 | 2 | 59 | 5 | 17 | 12 | 34 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 5143.32 | 6924.50 | 2900.00 | 5149.21 | 4600.00 | 6016.44 | 7007.46 | 6177.58 |
| STANDARD DEVIATION | 2229.99 | 3858.12 | 1153.26 | 2362.90 | 1387.44 | 3169.09 | 2731.47 | 2877.64 |
| MEDIAN | 4799.50 | 7550.00 | 2500.00 | 4766.33 | 4700.00 | 4499.50 | 7950.00 | 5299.50 |
| NUMBER | 60 | 4 | 3 | 67 | 5 | 18 | 13 | 36 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 1.67 | 50.00 | 0.00 | 4.48 | 0.00 | 22.22 | 23.08 | 19.44 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 11.11 | 50.00 | 0.00 | 12.86 | 40.00 | 22.22 | 46.15 | 33.33 |
| PERCENT BLACK | 65.08 | 50.00 | 0.00 | 61.43 | 40.00 | 77.78 | 53.85 | 63.89 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 52.38 | 50.00 | 0.00 | 50.00 | 20.00 | 55.56 | 69.23 | 55.56 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 66.38 | 65.29 | 63.33 | 66.18 | 66.25 | 66.88 | 66.35 | 66.60 |
| STANDARD DEVIATION | 4.05 | 6.00 | 2.66 | 4.11 | 2.90 | 4.57 | 3.28 | 3.86 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 79.37 | 100.00 | 0.00 | 77.14 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 10.75 | 13.24 | 5.30 | 10.66 | 11.97 | 12.69 | 12.67 | 12.58 |
| STANDARD DEVIATION | 3.51 | 3.53 | 4.59 | 3.74 | 3.34 | 2.25 | 2.31 | 2.37 |
| NUMBER | 59 | 4 | 3 | 66 | 5 | 17 | 13 | 35 |
| PERCENT HS GRAD | 40.68 | 75.00 | 0.00 | 40.91 | 40.00 | 64.71 | 46.15 | 54.29 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 49.18 | 25.00 | 66.67 | 48.53 | 60.00 | 44.44 | 30.77 | 41.67 |
| NUMBER | 61 | 4 | 3 | 68 | 5 | 18 | 13 | 36 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 90.00 | 100.00 | 0.00 | 0.00 | 13.89 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 5.71 | 0.00 | 100.00 | 0.00 | 50.00 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 4.29 | 0.00 | 0.00 | 100.00 | 36.11 |

Table C3-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR TEEM MODEL IN NEWARK, NJ

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 28 | 13 | 1 | 42 | 17 | 4 | 11 | 32 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 34.96 | 32.08 | 33.00 | 34.02 | 26.88 | 37.00 | 31.64 | 29.78 |
| STANDARD DEVIATION | 12.98 | 8.19 | 0.00 | 11.51 | 14.59 | 13.29 | 9.94 | 13.09 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.59 | 13.50 | 0.00 | 13.56 | 14.25 | 16.00 | 14.22 | 14.43 |
| STANDARD DEVIATION | 1.22 | 1.65 | 0.00 | 1.34 | 2.11 | 0.00 | 1.48 | 1.85 |
| NUMBER | 22 | 10 | 0 | 32 | 16 | 3 | 9 | 28 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 5354.45 | 4500.00 | 0.00 | 5069.64 | 5606.47 | 5866.67 | 4422.22 | 5240.63 |
| STANDARD DEVIATION | 2519.79 | 1971.80 | 0.00 | 2355.64 | 2939.67 | 577.35 | 2434.02 | 2618.40 |
| MEDIAN | 5200.00 | 4950.00 | 0.00 | 5066.67 | 5050.00 | 5950.00 | 3725.00 | 5050.00 |
| NUMBER | 22 | 11 | 0 | 33 | 15 | 3 | 9 | 27 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 9.09 | 0.00 | 0.00 | 6.06 | 20.00 | 0.00 | 0.00 | 11.11 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT BLACK | 96.43 | 100.00 | 100.00 | 97.62 | 100.00 | 100.00 | 90.91 | 96.88 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 67.86 | 38.46 | 100.00 | 59.52 | 52.94 | 50.00 | 45.45 | 50.00 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 64.47 | 63.28 | 66.85 | 64.16 | 61.90 | 65.25 | 63.24 | 62.78 |
| STANDARD DEVIATION | 3.32 | 3.15 | 0.00 | 3.26 | 4.97 | 2.02 | 3.45 | 4.28 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 96.43 | 100.00 | 100.00 | 97.62 | 100.00 | 100.00 | 90.91 | 96.88 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.50 | 11.30 | 0.00 | 11.43 | 12.04 | 13.00 | 11.37 | 11.90 |
| STANDARD DEVIATION | 1.89 | 2.51 | 0.00 | 2.08 | 1.30 | 0.00 | 2.24 | 1.68 |
| NUMBER | 22 | 11 | 0 | 33 | 15 | 3 | 10 | 28 |
| PERCENT HS GRAD | 45.45 | 54.55 | 0.00 | 48.48 | 46.67 | 100.00 | 40.00 | 50.00 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 21.74 | 54.55 | 0.00 | 32.35 | 52.94 | 75.00 | 63.64 | 59.38 |
| NUMBER | 23 | 11 | 0 | 34 | 17 | 4 | 11 | 32 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 66.67 | 100.00 | 0.00 | 0.00 | 53.13 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 30.95 | 0.00 | 100.00 | 0.00 | 12.50 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 2.38 | 0.00 | 0.00 | 100.00 | 34.38 |

Table C3-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR TEEM MODEL IN LINCOLN, NB

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 26 | 8 | 76 | 110 | 6 | 22 | 62 | 90 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 27.85 | 35.00 | 36.26 | 34.18 | 25.17 | 35.32 | 38.29 | 36.69 |
| STANDARD DEVIATION | 12.47 | 11.65 | 13.51 | 13.51 | 13.12 | 13.31 | 12.80 | 13.22 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.00 | 15.12 | 14.36 | 14.41 | 15.00 | 15.62 | 15.27 | 15.44 |
| STANDARD DEVIATION | 2.13 | 2.36 | 1.39 | 1.91 | 1.73 | 2.77 | 2.31 | 2.49 |
| NUMBER | 12 | 8 | 14 | 34 | 3 | 21 | 15 | 39 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4250.00 | 5550.00 | 7956.71 | 6082.18 | 5633.33 | 8285.82 | 8153.00 | 8037.08 |
| STANDARD DEVIATION | 1986.55 | 2778.49 | 2168.48 | 2754.18 | 602.77 | 2318.92 | 2150.73 | 2249.26 |
| MEDIAN | 3800.00 | 5450.00 | 8100.00 | 5300.00 | 5700.00 | 9915.67 | 9033.33 | 9150.00 |
| NUMBER | 12 | 8 | 14 | 34 | 3 | 22 | 15 | 40 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 0.00 | 42.86 | 17.65 | 0.00 | 54.55 | 33.33 | 42.50 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 65.38 | 75.00 | 96.05 | 87.27 | 50.00 | 95.45 | 98.39 | 94.44 |
| PERCENT BLACK | 26.92 | 25.00 | 1.32 | 9.09 | 50.00 | 4.55 | 0.00 | 4.44 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 50.00 | 75.00 | 48.68 | 50.91 | 16.67 | 54.55 | 45.16 | 45.56 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 64.13 | 65.23 | 65.65 | 65.26 | 64.06 | 65.55 | 65.76 | 65.59 |
| STANDARD DEVIATION | 5.10 | 4.71 | 3.71 | 4.16 | 3.31 | 3.98 | 3.51 | 3.60 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 98.39 | 98.89 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.47 | 13.50 | 12.64 | 12.43 | 12.32 | 13.85 | 12.85 | 13.35 |
| STANDARD DEVIATION | 2.09 | .93 | 1.57 | 1.80 | 1.18 | 1.63 | 2.08 | 1.84 |
| NUMBER | 12 | 8 | 14 | 34 | 3 | 21 | 15 | 39 |
| PERCENT HS GRAD | 41.67 | 100.00 | 85.71 | 73.53 | 66.67 | 90.48 | 60.00 | 76.92 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 41.67 | 50.00 | 0.00 | 26.47 | 66.67 | 13.64 | 0.00 | 12.50 |
| NUMBER | 12 | 8 | 14 | 34 | 3 | 22 | 15 | 40 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 23.64 | 100.00 | 0.00 | 0.00 | 6.67 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 7.27 | 0.00 | 100.00 | 0.00 | 24.44 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 69.09 | 0.00 | 0.00 | 100.00 | 68.89 |

Table C3-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR TEEM MODEL IN WICHITA, KS

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 35 | 4 | 12 | 51 | 7 | 20 | 14 | 41 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 26.23 | 33.50 | 38.58 | 29.71 | 28.57 | 45.80 | 36.43 | 39.66 |
| STANDARD DEVIATION | 10.11 | 17.90 | 13.38 | 12.52 | 13.65 | 11.94 | 14.87 | 14.54 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.43 | 14.75 | 14.87 | 14.08 | 13.43 | 16.45 | 15.82 | 15.71 |
| STANDARD DEVIATION | 1.28 | 2.63 | 1.73 | 1.74 | 2.51 | 2.91 | 2.86 | 2.98 |
| NUMBER | 14 | 4 | 8 | 26 | 7 | 20 | 11 | 38 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4657.14 | 7549.50 | 7687.25 | 6034.46 | 5871.29 | 8009.55 | 7872.27 | 7575.92 |
| STANDARD DEVIATION | 2039.50 | 2829.62 | 1947.14 | 2547.37 | 2933.88 | 2738.06 | 2475.49 | 2753.06 |
| MEDIAN | 4800.00 | 5300.00 | 7650.00 | 5300.00 | 5199.75 | 8799.50 | 8200.00 | 8299.50 |
| NUMBER | 14 | 4 | 8 | 26 | 7 | 20 | 11 | 38 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 50.00 | 25.00 | 15.38 | 14.29 | 45.00 | 45.45 | 39.47 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 25.71 | 50.00 | 100.00 | 45.10 | 14.29 | 75.00 | 78.57 | 65.85 |
| PERCENT BLACK | 62.86 | 25.00 | 0.00 | 45.10 | 71.43 | 20.00 | 21.43 | 29.27 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 54.29 | 75.00 | 58.33 | 56.86 | 57.14 | 45.00 | 42.86 | 46.34 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 68.05 | 67.81 | 66.17 | 67.58 | 65.77 | 68.94 | 67.04 | 67.75 |
| STANDARD DEVIATION | 4.42 | 3.60 | 4.59 | 4.39 | 4.48 | 3.02 | 3.39 | 3.55 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.00 | 13.65 | 12.48 | 11.79 | 9.63 | 13.64 | 13.35 | 12.90 |
| STANDARD DEVIATION | 2.50 | 2.34 | 1.44 | 2.32 | 3.99 | 2.49 | 2.17 | 2.99 |
| NUMBER | 14 | 3 | 8 | 25 | 6 | 20 | 11 | 37 |
| PERCENT HS GRAD | 35.71 | 66.67 | 62.50 | 48.00 | 33.33 | 80.00 | 72.73 | 70.27 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 28.57 | 0.00 | 12.50 | 19.23 | 42.86 | 10.00 | 18.18 | 18.42 |
| NUMBER | 14 | 4 | 8 | 26 | 7 | 20 | 11 | 38 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 68.63 | 100.00 | 0.00 | 0.00 | 17.07 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 7.84 | 0.00 | 100.00 | 0.00 | 48.78 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 23.53 | 0.00 | 0.00 | 100.00 | 34.15 |

## Table C3-IIIK(PS)29

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR TEEM MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 175 | 40 | 114 | 329 | 42 | 90 | 160 | 292 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 20.50 | 25.20 | 29.18 | 24.08 | 29.43 | 34.26 | 34.69 | 33.80 |
| STANDARD DEVIATION | 8.84 | 11.63 | 11.21 | 10.81 | 12.58 | 11.31 | 10.40 | 11.13 |
| SPELLING | | | | | | | | |
| MEAN | 14.88 | 19.77 | 20.39 | 17.39 | 21.79 | 26.10 | 25.89 | 25.37 |
| STANDARD DEVIATION | 10.80 | 11.87 | 11.09 | 11.32 | 13.55 | 11.11 | 10.42 | 11.19 |
| LANGUAGE | | | | | | | | |
| MEAN | 14.74 | 18.02 | 21.75 | 17.57 | 18.24 | 23.54 | 23.47 | 22.74 |
| STANDARD DEVIATION | 6.87 | 8.12 | 9.28 | 8.54 | 8.30 | 10.88 | 9.71 | 10.04 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 16.82 | 19.80 | 20.89 | 18.59 | 18.98 | 21.39 | 23.24 | 22.05 |
| STANDARD DEVIATION | 7.66 | 7.84 | 7.34 | 7.79 | 8.44 | 8.19 | 8.10 | 8.28 |
| RAVENS | | | | | | | | |
| MEAN | 17.97 | 18.80 | 20.81 | 19.05 | 19.14 | 20.97 | 21.26 | 20.87 |
| STANDARD DEVIATION | 4.36 | 4.69 | 4.25 | 4.54 | 4.15 | 4.62 | 4.15 | 4.35 |
| READING | | | | | | | | |
| MEAN | 16.49 | 19.33 | 21.95 | 18.72 | 20.02 | 24.96 | 25.39 | 24.48 |
| STANDARD DEVIATION | 6.33 | 7.82 | 8.78 | 7.83 | 9.06 | 9.78 | 8.92 | 9.36 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 15.03 | 18.10 | 20.37 | 17.26 | 17.55 | 22.77 | 22.74 | 22.00 |
| STANDARD DEVIATION | 6.69 | 7.17 | 7.94 | 7.59 | 7.30 | 9.25 | 7.77 | 8.37 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 11.59 | 14.62 | 16.89 | 13.79 | 13.64 | 18.03 | 18.66 | 17.74 |
| STANDARD DEVIATION | 5.76 | 6.88 | 7.49 | 6.97 | 6.29 | 8.48 | 7.87 | 8.02 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.77 | 34.25 | 37.75 | 35.74 | 36.93 | 37.98 | 37.66 | 37.65 |
| STANDARD DEVIATION | 7.07 | 9.28 | 7.05 | 7.49 | 5.71 | 6.78 | 8.14 | 7.41 |
| IARS(-) | | | | | | | | |
| MEAN | 9.70 | 9.95 | 9.83 | 9.78 | 10.19 | 10.39 | 10.29 | 10.31 |
| STANDARD DEVIATION | 2.77 | 2.75 | 2.85 | 2.79 | 2.72 | 2.57 | 2.71 | 2.66 |
| IARS(+) | | | | | | | | |
| MEAN | 12.73 | 13.00 | 13.53 | 13.04 | 13.45 | 13.48 | 13.64 | 13.57 |
| STANDARD DEVIATION | 2.42 | 2.70 | 2.32 | 2.44 | 2.22 | 2.29 | 1.90 | 2.07 |
| TOTAL READING | | | | | | | | |
| MEAN | 36.98 | 44.53 | 51.12 | 42.80 | 49.45 | 59.21 | 60.08 | 58.28 |
| STANDARD DEVIATION | 14.23 | 18.49 | 19.32 | 17.86 | 20.45 | 20.33 | 18.47 | 19.62 |
| TOTAL MATH | | | | | | | | |
| MEAN | 43.43 | 52.53 | 58.15 | 49.64 | 50.17 | 62.19 | 64.64 | 61.80 |
| STANDARD DEVIATION | 17.93 | 19.16 | 21.40 | 20.46 | 20.21 | 24.49 | 22.25 | 23.14 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.43 | 8.75 | 9.44 | 8.29 | 8.40 | 9.84 | 10.06 | 9.76 |
| STANDARD DEVIATION | 2.99 | 3.39 | 3.25 | 3.26 | 3.62 | 3.04 | 3.08 | 3.19 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 7.31 | 9.27 | 12.31 | 9.28 | 9.83 | 13.70 | 13.41 | 12.98 |
| STANDARD DEVIATION | 5.00 | 6.66 | 7.16 | 6.44 | 6.03 | 8.96 | 7.64 | 7.96 |

Table C3-IIIK(PS)-30

## MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
## FOR FT AND NFT CHILDREN
## IN COHORT III-K PRESCHOOL SAMPLE
## FOR TEEM MODEL IN CHICASHA, OK

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 17 | 7 | 10 | 34 | 5 | 13 | 45 | 63 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 22.88 | 29.71 | 27.00 | 25.50 | 34.20 | 41.00 | 37.51 | 37.97 |
| STANDARD DEVIATION | 8.85 | 11.10 | 11.30 | 10.16 | 11.92 | 4.30 | 6.91 | 7.06 |
| SPELLING | | | | | | | | |
| MEAN | 17.00 | 24.43 | 14.10 | 17.68 | 26.60 | 31.85 | 29.11 | 29.48 |
| STANDARD DEVIATION | 11.43 | 12.91 | 10.96 | 11.84 | 13.15 | 6.20 | 7.41 | 7.72 |
| LANGUAGE | | | | | | | | |
| MEAN | 21.88 | 23.29 | 21.00 | 21.91 | 26.00 | 32.77 | 27.96 | 28.79 |
| STANDARD DEVIATION | 8.34 | 7.61 | 6.94 | 7.62 | 9.75 | 9.94 | 8.95 | 9.30 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 23.47 | 27.00 | 20.60 | 23.35 | 21.60 | 28.85 | 26.98 | 26.94 |
| STANDARD DEVIATION | 7.64 | 4.32 | 6.96 | 7.07 | 11.01 | 4.34 | 7.63 | 7.47 |
| RAVENS | | | | | | | | |
| MEAN | 18.24 | 18.43 | 18.60 | 18.38 | 19.40 | 22.23 | 21.67 | 21.60 |
| STANDARD DEVIATION | 3.36 | 4.43 | 3.89 | 3.64 | 4.39 | 2.95 | 3.15 | 3.23 |
| READING | | | | | | | | |
| MEAN | 17.71 | 22.00 | 19.20 | 19.03 | 25.00 | 31.31 | 27.73 | 28.25 |
| STANDARD DEVIATION | 6.55 | 8.43 | 7.69 | 7.25 | 11.36 | 6.10 | 7.70 | 7.79 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 17.18 | 21.29 | 17.90 | 18.24 | 22.80 | 28.23 | 25.40 | 25.78 |
| STANDARD DEVIATION | 5.23 | 3.90 | 6.03 | 5.34 | 7.98 | 5.79 | 7.37 | 7.16 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 13.82 | 17.29 | 14.70 | 14.79 | 19.20 | 23.54 | 21.22 | 21.54 |
| STANDARD DEVIATION | 4.56 | 6.40 | 7.72 | 5.96 | 7.05 | 5.38 | 7.47 | 7.05 |
| COOPERSMITH | | | | | | | | |
| MEAN | 37.47 | 36.86 | 34.80 | 36.56 | 37.80 | 39.46 | 36.93 | 37.52 |
| STANDARD DEVIATION | 6.26 | 8.39 | 7.04 | 6.83 | 4.32 | 5.95 | 7.88 | 7.30 |
| IARS(-) | | | | | | | | |
| MEAN | 10.29 | 10.71 | 10.60 | 10.47 | 9.60 | 11.46 | 11.27 | 11.17 |
| STANDARD DEVIATION | 3.84 | 2.43 | 1.58 | 2.99 | 2.70 | 2.26 | 2.73 | 2.64 |
| IARS(+) | | | | | | | | |
| MEAN | 12.94 | 14.57 | 14.10 | 13.62 | 14.60 | 14.00 | 13.89 | 13.97 |
| STANDARD DEVIATION | 2.61 | 1.72 | 1.97 | 2.32 | 2.19 | 1.35 | 1.82 | 1.75 |
| TOTAL READING | | | | | | | | |
| MEAN | 40.59 | 51.71 | 46.20 | 44.53 | 59.20 | 72.31 | 65.24 | 66.22 |
| STANDARD DEVIATION | 14.35 | 18.56 | 18.25 | 16.53 | 22.84 | 9.72 | 13.96 | 14.23 |
| TOTAL MATH | | | | | | | | |
| MEAN | 54.47 | 65.57 | 53.20 | 56.38 | 63.60 | 80.62 | 73.60 | 74.25 |
| STANDARD DEVIATION | 15.13 | 11.38 | 19.80 | 16.26 | 24.40 | 12.99 | 21.23 | 20.22 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 8.88 | 9.43 | 9.30 | 9.12 | 10.80 | 12.23 | 10.93 | 11.19 |
| STANDARD DEVIATION | 2.87 | 2.37 | 2.50 | 2.60 | 3.70 | 1.69 | 2.83 | 2.72 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 13.00 | 13.86 | 11.70 | 12.79 | 15.20 | 20.54 | 17.02 | 17.60 |
| STANDARD DEVIATION | 6.24 | 7.58 | 6.24 | 6.37 | 7.73 | 8.75 | 7.26 | 7.65 |

## Table C3-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR TEEM MODEL IN DES MOINES, IA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 6 | 4 | 12 | 22 | 2 | 13 | 15 | 30 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 19.50 | 29.25 | 29.42 | 26.68 | 21.00 | 33.31 | 30.67 | 31.17 |
| STANDARD DEVIATION | 12.28 | 14.73 | 13.52 | 13.52 | 1.41 | 12.47 | 11.86 | 11.90 |
| SPELLING | | | | | | | | |
| MEAN | 11.67 | 22.25 | 20.42 | 18.36 | 17.00 | 20.85 | 19.93 | 20.13 |
| STANDARD DEVIATION | 12.97 | 12.45 | 13.89 | 13.46 | 4.24 | 13.30 | 12.39 | 12.20 |
| LANGUAGE | | | | | | | | |
| MEAN | 16.67 | 17.50 | 21.67 | 19.55 | 11.00 | 24.69 | 21.47 | 22.17 |
| STANDARD DEVIATION | 8.36 | 8.50 | 8.27 | 8.28 | 0.00 | 10.02 | 11.47 | 10.81 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 18.67 | 18.75 | 23.92 | 21.55 | 10.50 | 19.54 | 19.60 | 18.97 |
| STANDARD DEVIATION | 7.45 | 6.70 | 7.72 | 7.61 | 2.12 | 7.00 | 7.11 | 7.08 |
| RAVENS | | | | | | | | |
| MEAN | 15.50 | 20.75 | 20.58 | 19.23 | 20.00 | 20.92 | 21.20 | 21.00 |
| STANDARD DEVIATION | 4.46 | 6.75 | 4.58 | 5.26 | 1.41 | 5.14 | 4.28 | 4.46 |
| READING | | | | | | | | |
| MEAN | 16.17 | 25.00 | 21.33 | 20.59 | 9.00 | 25.38 | 21.27 | 22.23 |
| STANDARD DEVIATION | 7.03 | 11.60 | 8.95 | 9.09 | 0.00 | 8.78 | 7.69 | 8.80 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 13.33 | 18.75 | 21.00 | 18.50 | 13.00 | 23.08 | 22.00 | 21.87 |
| STANDARD DEVIATION | 6.68 | 7.46 | 8.26 | 8.09 | 2.83 | 9.11 | 6.88 | 7.97 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 12.50 | 16.00 | 16.58 | 15.36 | 7.50 | 18.62 | 16.07 | 16.60 |
| STANDARD DEVIATION | 7.06 | 6.32 | 7.74 | 7.23 | .71 | 8.29 | 8.29 | 8.33 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.67 | 30.75 | 38.17 | 35.86 | 34.00 | 40.38 | 40.73 | 40.13 |
| STANDARD DEVIATION | 8.89 | 9.25 | 7.90 | 8.49 | 5.66 | 5.49 | 10.09 | 8.09 |
| IARS(-) | | | | | | | | |
| MEAN | 9.50 | 9.00 | 8.83 | 9.05 | 7.50 | 10.77 | 9.93 | 10.13 |
| STANDARD DEVIATION | 2.66 | 2.83 | 2.69 | 2.59 | 4.95 | 2.86 | 2.19 | 2.69 |
| IARS(+) | | | | | | | | |
| MEAN | 13.00 | 15.50 | 13.17 | 13.55 | 12.50 | 14.08 | 13.60 | 13.73 |
| STANDARD DEVIATION | 2.00 | .58 | 2.41 | 2.22 | 2.12 | 1.61 | 1.72 | 1.68 |
| TOTAL READING | | | | | | | | |
| MEAN | 35.67 | 54.25 | 50.75 | 47.27 | 30.00 | 58.69 | 51.93 | 53.40 |
| STANDARD DEVIATION | 19.00 | 26.29 | 21.76 | 22.07 | 1.41 | 20.31 | 19.10 | 19.95 |
| TOTAL MATH | | | | | | | | |
| MEAN | 44.50 | 53.50 | 61.50 | 55.41 | 31.00 | 61.23 | 57.67 | 57.43 |
| STANDARD DEVIATION | 20.22 | 19.07 | 22.71 | 21.80 | 4.24 | 23.41 | 21.51 | 22.46 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.33 | 8.75 | 9.25 | 8.64 | 4.00 | 9.31 | 9.33 | 8.97 |
| STANDARD DEVIATION | 2.94 | 4.57 | 2.86 | 3.17 | 0.00 | 2.75 | 3.58 | 3.34 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 9.33 | 8.75 | 12.42 | 10.91 | 7.00 | 15.38 | 12.13 | 13.20 |
| STANDARD DEVIATION | 6.22 | 3.95 | 6.19 | 5.86 | 0.00 | 7.72 | 8.35 | 7.98 |

Table C3-IIIK(PS)-30 (cont.)

## MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR TEEM MODEL IN LAKEWOOD, NJ

|  | FOLLOW THROUGH |  |  |  | NON-FOLLOW THROUGH |  |  |  |
|---|---|---|---|---|---|---|---|---|
|  | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 63 | 4 | 3 | 70 | 5 | 18 | 13 | 36 |
| WORD KNOWLEDGE |  |  |  |  |  |  |  |  |
| MEAN | 19.10 | 27.50 | 14.67 | 19.39 | 21.00 | 25.11 | 22.00 | 23.42 |
| STANDARD DEVIATION | 8.67 | 17.94 | 2.52 | 9.30 | 15.44 | 11.94 | 7.86 | 10.99 |
| SPELLING |  |  |  |  |  |  |  |  |
| MEAN | 13.19 | 18.75 | 10.33 | 13.39 | 14.40 | 19.83 | 21.15 | 19.56 |
| STANDARD DEVIATION | 10.52 | 16.88 | 11.85 | 10.86 | 16.23 | 12.18 | 10.56 | 12.05 |
| LANGUAGE |  |  |  |  |  |  |  |  |
| MEAN | 12.21 | 23.25 | 10.33 | 12.76 | 12.40 | 18.50 | 16.92 | 17.08 |
| STANDARD DEVIATION | 4.45 | 14.89 | 3.06 | 5.88 | 6.50 | 9.36 | 6.44 | 8.11 |
| MATH COMPUTATIONS |  |  |  |  |  |  |  |  |
| MEAN | 13.97 | 13.25 | 12.00 | 13.84 | 16.80 | 15.89 | 15.00 | 15.69 |
| STANDARD DEVIATION | 6.50 | 1.71 | 4.36 | 6.23 | 8.11 | 8.80 | 7.00 | 7.90 |
| RAVENS |  |  |  |  |  |  |  |  |
| MEAN | 17.68 | 19.50 | 19.67 | 17.87 | 18.40 | 17.50 | 19.23 | 18.25 |
| STANDARD DEVIATION | 4.23 | 6.03 | 4.04 | 4.30 | 6.73 | 5.86 | 4.90 | 5.55 |
| READING |  |  |  |  |  |  |  |  |
| MEAN | 15.44 | 17.50 | 12.00 | 15.41 | 17.60 | 17.17 | 15.23 | 16.53 |
| STANDARD DEVIATION | 5.64 | 5.80 | 2.65 | 5.57 | 12.78 | 8.45 | 5.93 | 8.15 |
| MATH CONCEPTS |  |  |  |  |  |  |  |  |
| MEAN | 12.98 | 18.75 | 12.67 | 13.30 | 15.60 | 16.28 | 16.08 | 16.11 |
| STANDARD DEVIATION | 5.91 | 12.58 | 6.51 | 6.43 | 9.32 | 9.80 | 9.49 | 9.35 |
| MATH PROBLEM SOLVING |  |  |  |  |  |  |  |  |
| MEAN | 9.75 | 12.25 | 9.00 | 9.86 | 13.60 | 12.11 | 11.08 | 11.94 |
| STANDARD DEVIATION | 4.80 | 9.95 | 5.29 | 5.11 | 8.32 | 7.70 | 6.18 | 7.11 |
| COOPERSMITH |  |  |  |  |  |  |  |  |
| MEAN | 34.89 | 30.00 | 30.67 | 34.43 | 34.60 | 34.67 | 32.00 | 33.69 |
| STANDARD DEVIATION | 6.70 | 20.12 | 3.21 | 7.76 | 4.62 | 8.27 | 4.98 | 6.77 |
| IARS(-) |  |  |  |  |  |  |  |  |
| MEAN | 10.16 | 11.00 | 9.00 | 10.16 | 11.20 | 10.89 | 9.92 | 10.58 |
| STANDARD DEVIATION | 2.82 | 2.45 | 1.00 | 2.74 | 2.17 | 2.22 | 2.29 | 2.23 |
| IARS(+) |  |  |  |  |  |  |  |  |
| MEAN | 12.71 | 12.25 | 11.00 | 12.61 | 13.40 | 12.89 | 12.62 | 12.86 |
| STANDARD DEVIATION | 2.51 | 2.22 | 1.73 | 2.47 | 2.51 | 2.37 | 1.39 | 2.04 |
| TOTAL READING |  |  |  |  |  |  |  |  |
| MEAN | 34.54 | 45.00 | 26.67 | 34.80 | 38.60 | 42.28 | 37.23 | 39.94 |
| STANDARD DEVIATION | 13.19 | 23.62 | 1.53 | 13.77 | 27.44 | 19.84 | 12.92 | 18.45 |
| TOTAL MATH |  |  |  |  |  |  |  |  |
| MEAN | 36.70 | 44.25 | 33.67 | 37.00 | 46.00 | 44.28 | 42.15 | 43.75 |
| STANDARD DEVIATION | 14.79 | 22.78 | 11.37 | 15.05 | 24.03 | 24.52 | 20.74 | 22.53 |
| LANGUAGE PART A |  |  |  |  |  |  |  |  |
| MEAN | 6.59 | 9.75 | 3.67 | 6.64 | 6.20 | 8.17 | 8.38 | 7.97 |
| STANDARD DEVIATION | 2.66 | [illegible] | 2.08 | 2.79 | 5.45 | 3.57 | 2.60 | 3.53 |
| LANGUAGE PART [illegible] |  |  |  |  |  |  |  |  |
| MEAN | [illegible] | [illegible] | [illegible] | [illegible] | 6.20 | 10.33 | [illegible] | [illegible] |
| STANDARD DEVIATION | 3.23 | [illegible] | [illegible] | [illegible] | [illegible] | 6.80 | 4.82 | [illegible] |

Table C3-IIIK(PS)-30 (cont.)

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR TEEM MODEL IN NEWARK, NJ

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 28 | 13 | 1 | 42 | 17 | 4 | 11 | 32 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 21.36 | 20.85 | 12.00 | 20.98 | 32.29 | 38.50 | 38.64 | 35.25 |
| STANDARD DEVIATION | 9.06 | 5.98 | 0.00 | 8.16 | 14.17 | 10.47 | 7.12 | 11.86 |
| SPELLING | | | | | | | | |
| MEAN | 17.89 | 20.31 | 18.00 | 18.64 | 24.06 | 33.50 | 36.00 | 29.34 |
| STANDARD DEVIATION | 11.06 | 10.13 | 0.00 | 10.57 | 15.33 | 9.15 | 2.68 | 12.84 |
| LANGUAGE | | | | | | | | |
| MEAN | 16.68 | 15.23 | 21.00 | 16.33 | 20.00 | 16.75 | 18.00 | 18.91 |
| STANDARD DEVIATION | 8.19 | 5.40 | 0.00 | 7.33 | 9.37 | 9.14 | 7.00 | 8.41 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 22.54 | 22.08 | 32.00 | 22.62 | 20.82 | 24.25 | 25.73 | 22.94 |
| STANDARD DEVIATION | 7.10 | 7.62 | 0.00 | 7.24 | 9.09 | 5.68 | 6.57 | 8.07 |
| RAVENS | | | | | | | | |
| MEAN | 18.07 | 17.62 | 20.00 | 17.98 | 18.82 | 18.00 | 16.55 | 17.94 |
| STANDARD DEVIATION | 4.19 | 5.06 | 0.00 | 4.38 | 3.78 | 5.10 | 5.26 | 4.46 |
| READING | | | | | | | | |
| MEAN | 18.11 | 18.23 | 11.00 | 17.98 | 20.41 | 20.75 | 21.73 | 20.91 |
| STANDARD DEVIATION | 6.60 | 4.59 | 0.00 | 6.01 | 9.70 | 6.34 | 6.40 | 8.13 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 18.96 | 18.77 | 23.00 | 19.00 | 18.35 | 20.50 | 19.36 | 18.97 |
| STANDARD DEVIATION | 6.27 | 5.83 | 0.00 | 6.02 | 6.11 | 5.92 | 6.58 | 6.10 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 14.61 | 15.46 | 24.00 | 15.10 | 13.00 | 10.50 | 15.91 | 13.69 |
| STANDARD DEVIATION | 6.09 | 4.54 | 0.00 | 5.71 | 4.95 | 4.20 | 7.25 | 5.88 |
| COOPERSMITH | | | | | | | | |
| MEAN | 37.54 | 39.00 | 35.00 | 37.93 | 38.00 | 38.75 | 39.36 | 38.56 |
| STANDARD DEVIATION | 6.53 | 4.18 | 0.00 | 5.82 | 5.29 | 6.45 | 5.73 | 5.43 |
| IARS(-) | | | | | | | | |
| MEAN | 9.04 | 10.62 | 8.00 | 9.50 | 10.06 | 10.75 | 10.73 | 10.37 |
| STANDARD DEVIATION | 2.52 | 1.56 | 0.00 | 2.34 | 2.30 | 2.22 | 2.57 | 2.34 |
| IARS(+) | | | | | | | | |
| MEAN | 12.96 | 11.85 | 11.00 | 12.57 | 13.82 | 14.00 | 13.64 | 13.78 |
| STANDARD DEVIATION | 1.73 | 2.70 | 0.00 | 2.11 | 1.59 | 1.41 | 1.86 | 1.62 |
| TOTAL READING | | | | | | | | |
| MEAN | 39.46 | 39.08 | 23.00 | 38.95 | 52.71 | 59.25 | 60.36 | 56.16 |
| STANDARD DEVIATION | 14.92 | 9.41 | 0.00 | 13.38 | 22.85 | 15.90 | 12.23 | 18.87 |
| TOTAL MATH | | | | | | | | |
| MEAN | 56.11 | 56.31 | 79.00 | 56.71 | 52.18 | 55.25 | 61.00 | 55.59 |
| STANDARD DEVIATION | 17.41 | 14.42 | 0.00 | 16.52 | 18.06 | 15.31 | 18.99 | 18.00 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 8.50 | 9.08 | 6.00 | 8.62 | 8.94 | 10.00 | 9.55 | 9.28 |
| STANDARD DEVIATION | 3.27 | 3.38 | 0.00 | 3.26 | 3.85 | 1.41 | 2.30 | 3.11 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.18 | 6.15 | 15.00 | 7.71 | 11.06 | 6.75 | 8.45 | 9.63 |
| STANDARD DEVIATION | 6.05 | 4.32 | 0.00 | 5.64 | 7.06 | 8.30 | 6.28 | 6.91 |

## Table C3-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR TEEM MODEL IN LINCOLN, NB

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 26 | 8 | 76 | 110 | 6 | 22 | 62 | 90 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 21.69 | 26.88 | 29.45 | 27.43 | 33.50 | 34.32 | 35.45 | 35.04 |
| STANDARD DEVIATION | 8.48 | 12.67 | 10.72 | 10.80 | 3.15 | 10.52 | 10.47 | 10.11 |
| SPELLING | | | | | | | | |
| MEAN | 15.46 | 18.87 | 21.25 | 19.71 | 25.00 | 27.36 | 24.53 | 25.26 |
| STANDARD DEVIATION | 10.02 | 10.80 | 10.29 | 10.46 | 3.22 | 9.07 | 10.37 | 9.76 |
| LANGUAGE | | | | | | | | |
| MEAN | 16.88 | 18.87 | 22.53 | 20.93 | 16.17 | 20.91 | 22.82 | 21.91 |
| STANDARD DEVIATION | 7.00 | 7.06 | 9.74 | 9.26 | 1.60 | 11.19 | 9.46 | 9.70 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 17.81 | 16.50 | 20.79 | 19.77 | 16.83 | 21.77 | 23.31 | 22.50 |
| STANDARD DEVIATION | 7.59 | 8.85 | 7.24 | 7.53 | 6.94 | 7.24 | 7.77 | 7.69 |
| RAVENS | | | | | | | | |
| MEAN | 19.04 | 20.75 | 20.87 | 20.43 | 19.67 | 22.14 | 22.37 | 22.13 |
| STANDARD DEVIATION | 5.20 | 2.49 | 4.43 | 4.55 | 3.88 | 3.11 | 3.64 | 3.56 |
| READING | | | | | | | | |
| MEAN | 18.08 | 17.12 | 22.39 | 20.99 | 19.83 | 25.50 | 27.05 | 26.19 |
| STANDARD DEVIATION | 6.96 | 9.67 | 8.77 | 8.63 | 5.64 | 9.55 | 8.87 | 8.98 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 18.23 | 16.25 | 20.80 | 19.86 | 17.83 | 24.45 | 23.42 | 23.30 |
| STANDARD DEVIATION | 7.52 | 8.17 | 8.00 | 7.97 | 6.55 | 9.41 | 6.94 | 7.66 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 13.54 | 14.50 | 17.21 | 16.15 | 14.83 | 19.82 | 19.84 | 19.50 |
| STANDARD DEVIATION | 6.56 | 8.77 | 7.22 | 7.30 | 7.71 | 8.61 | 7.50 | 7.81 |
| COOPERSMITH | | | | | | | | |
| MEAN | 33.27 | 29.87 | 38.41 | 36.57 | 34.67 | 37.36 | 38.23 | 37.78 |
| STANDARD DEVIATION | 7.37 | 6.15 | 7.25 | 7.70 | 8.14 | 6.81 | 8.21 | 7.85 |
| IARS(-) | | | | | | | | |
| MEAN | 9.54 | 8.13 | 9.86 | 9.65 | 9.17 | 9.68 | 9.95 | 9.83 |
| STANDARD DEVIATION | 2.85 | 3.80 | 3.11 | 3.10 | 3.87 | 2.80 | 2.51 | 2.66 |
| IARS(+) | | | | | | | | |
| MEAN | 13.35 | 12.75 | 13.58 | 13.46 | 11.50 | 13.32 | 13.60 | 13.39 |
| STANDARD DEVIATION | 2.21 | 3.11 | 2.43 | 2.42 | 3.39 | 2.95 | 2.09 | 2.44 |
| TOTAL READING | | | | | | | | |
| MEAN | 39.77 | 44.00 | 51.84 | 48.42 | 53.33 | 59.82 | 62.50 | 61.23 |
| STANDARD DEVIATION | 14.44 | 21.80 | 18.73 | 18.63 | 6.41 | 19.69 | 18.59 | 18.35 |
| TOTAL MATH | | | | | | | | |
| MEAN | 49.58 | 47.25 | 58.80 | 55.78 | 49.50 | 66.05 | 66.56 | 65.30 |
| STANDARD DEVIATION | 18.92 | 24.65 | 21.14 | 21.20 | 20.19 | 24.15 | 20.77 | 21.78 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 8.04 | 8.75 | 9.74 | 9.26 | 8.00 | 9.64 | 10.16 | 9.89 |
| STANDARD DEVIATION | 3.55 | 3.41 | 3.23 | 3.37 | 1.41 | 3.32 | 3.00 | 3.03 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.85 | 10.12 | 12.79 | 11.66 | 8.17 | 11.27 | 12.66 | 12.02 |
| STANDARD DEVIATION | 4.92 | 4.82 | 7.62 | 7.07 | 1.47 | 9.72 | 7.46 | 7.87 |

Table C3-IIIK(PS)-30 (cont.)

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR TEEM MODEL IN WICHITA, KS

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 35 | 4 | 12 | 51 | 7 | 20 | 14 | 41 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 20.46 | 21.75 | 34.08 | 23.76 | 24.00 | 37.80 | 35.29 | 34.59 |
| STANDARD DEVIATION | 8.78 | 16.56 | 10.23 | 11.20 | 10.36 | 9.73 | 13.26 | 11.97 |
| SPELLING | | | | | | | | |
| MEAN | 14.60 | 10.25 | 22.92 | 16.22 | 16.71 | 28.55 | 24.43 | 25.12 |
| STANDARD DEVIATION | 10.98 | 13.84 | 12.17 | 11.90 | 14.08 | 10.31 | 12.95 | 12.38 |
| LANGUAGE | | | | | | | | |
| MEAN | 12.37 | 11.50 | 20.42 | 14.20 | 16.43 | 25.60 | 24.43 | 23.63 |
| STANDARD DEVIATION | 4.79 | 4.43 | 9.25 | 6.91 | 5.41 | 9.67 | 10.02 | 9.63 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 13.09 | 14.00 | 20.08 | 14.80 | 18.43 | 21.70 | 20.50 | 20.73 |
| STANDARD DEVIATION | 5.03 | 4.69 | 7.05 | 6.19 | 7.28 | 8.24 | 6.60 | 7.47 |
| RAVENS | | | | | | | | |
| MEAN | 17.91 | 16.75 | 22.83 | 18.98 | 19.57 | 22.60 | 20.71 | 21.44 |
| STANDARD DEVIATION | 4.53 | 4.50 | 2.52 | 4.62 | 4.72 | 3.69 | 4.71 | 4.30 |
| READING | | | | | | | | |
| MEAN | 15.34 | 18.75 | 25.42 | 17.98 | 20.57 | 27.80 | 27.21 | 26.37 |
| STANDARD DEVIATION | 6.40 | 9.95 | 8.81 | 8.31 | 4.65 | 10.35 | 10.23 | 9.76 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 12.46 | 12.75 | 20.75 | 14.43 | 14.29 | 23.45 | 20.86 | 21.00 |
| STANDARD DEVIATION | 5.91 | 7.59 | 9.02 | 7.59 | 8.92 | 8.53 | 8.72 | 9.06 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 9.74 | 8.50 | 18.33 | 11.67 | 12.00 | 18.95 | 17.14 | 17.15 |
| STANDARD DEVIATION | 5.20 | 7.33 | 8.84 | 7.27 | 5.66 | 8.18 | 7.16 | 7.71 |
| COOPERSMITH | | | | | | | | |
| MEAN | 32.14 | 30.75 | 37.58 | 33.31 | 38.14 | 38.95 | 38.07 | 38.51 |
| STANDARD DEVIATION | 7.15 | 10.44 | 4.74 | 7.22 | 6.52 | 6.12 | 8.77 | 7.03 |
| IARS(-) | | | | | | | | |
| MEAN | 9.29 | 10.00 | 10.42 | 9.61 | 11.86 | 9.70 | 9.07 | 9.85 |
| STANDARD DEVIATION | 2.15 | 3.83 | 2.39 | 2.35 | 1.95 | 2.56 | 3.77 | 3.04 |
| IARS(+) | | | | | | | | |
| MEAN | 11.94 | 12.75 | 13.92 | 12.47 | 13.71 | 13.35 | 14.07 | 13.66 |
| STANDARD DEVIATION | 2.80 | 3.30 | 1.51 | 2.68 | 1.89 | 2.43 | 1.77 | 2.12 |
| TOTAL READING | | | | | | | | |
| MEAN | 35.80 | 40.50 | 59.50 | 41.75 | 44.57 | 65.60 | 62.50 | 60.95 |
| STANDARD DEVIATION | 14.41 | 25.41 | 18.91 | 18.95 | 14.36 | 19.04 | 22.45 | 20.63 |
| TOTAL MATH | | | | | | | | |
| MEAN | 35.29 | 35.25 | 59.17 | 40.90 | 44.71 | 64.10 | 58.50 | 56.88 |
| STANDARD DEVIATION | 14.14 | 18.89 | 23.54 | 19.59 | 21.53 | 23.86 | 20.50 | 22.92 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.94 | 5.50 | 9.58 | 7.45 | 8.57 | 10.35 | 9.57 | 9.78 |
| STANDARD DEVIATION | 2.59 | 3.51 | 3.50 | 3.09 | 1.72 | 2.39 | 4.01 | 2.97 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 5.43 | 6.00 | 10.83 | 6.75 | 7.86 | 15.25 | 14.86 | 13.85 |
| STANDARD DEVIATION | 3.16 | 4.83 | 6.89 | 4.89 | 3.80 | 8.31 | 7.22 | 7.72 |

## Table C3-IIIEF-1

## ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT III ENTERING FIRST SITES IN THE TEEM MODEL

| | | VERMILION PAR., LA | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | — | 0.0 | 0.0 | — |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | — | 0 | 0 | — |
| BLACK | Percent | 74.4 | 15.2 | 44.8 | 45.7 | 24.0 | 45.6 | 52.5 | 44.8 | — | 27.7 | 14.9 | — | 0.0 | 0.0 | — |
| | Number | 93 | 7 | 64 | 32 | 25 | 26 | 63 | 64 | — | 13 | 10 | — | 0 | 0 | — |
| ORIENTAL | Percent | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | — | 0.0 | 0.0 | — | 0.0 | 0.0 | — |
| | Number | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | — | 0 | 0 | — | 0 | 0 | — |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | 15.4 | 0.0 | 0.0 | 0.0 | 34.2 | 15.4 | — | 0.0 | 0.0 | — | 0.0 | 0.0 | — |
| | Number | 0 | 0 | 22 | 0 | 0 | 0 | 41 | 22 | — | 0 | 0 | — | 0 | 0 | — |
| PUERTO RICAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | — | 0.0 | 0.0 | — |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | — | 0 | 0 | — |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | — | 0.0 | 0.0 | — |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | — | 0 | 0 | — |
| WHITE | Percent | 25.6 | 84.8 | 39.2 | 54.3 | 76.0 | 54.4 | 13.3 | 39.2 | — | 72.3 | 85.1 | — | 100.0 | 100.0 | — |
| | Number | 32 | 39 | 56 | 38 | 79 | 31 | 16 | 56 | — | 34 | 57 | — | 72 | 71 | — |
| OTHER | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | — | 0.0 | 0.0 | — |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | — | 0 | 0 | — |
| BEST MATCHED SITE | | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

COHORT III-EF STUDY
Non-Preschool Adjusted

COHORT III-EF STUDY
Non-Preschool Adjusted

Table C3-IIIEF-2

## DISTRIBUTION OF BACKGROUND VARIABLES COHORT III ENTERING FIRST SITES IN THE TEEM MODEL

| | SPONSOR'S SITES | | | VERMILION PAR., LA | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| CHILDREN IN ANALYTIC SAMPLE Number. | — | — | — | 125 | 46 | 143 | 70 | 104 | 57 | 120 | 143 | — | 47 | 67 | — | 72 | 71 | — |
| FALL KINDERGARTEN WRAT Mean Score | 42.0 | 45.1 | — | 36.3 | 40.0 | 46.9 | 47.4 | 49.1 | 47.0 | 40.8 | 46.9 | — | 43.8 | 45.4 | — | 41.6 | 44.3 | — |
| PERCENT WITH PRESCHOOL | 76 | 63 | — | 94 | 39 | 72 | 60 | 48 | 72 | 85 | 72 | — | 49 | 60 | — | 92 | 97 | — |
| Number Responding | — | — | — | 117 | 46 | 143 | 70 | 104 | 57 | 119 | 143 | — | 47 | 67 | — | 72 | 71 | — |
| CHILDREN'S ETHNICITY | | | | | | | | | | | | | | | | | | |
| Percent Black | 40 | 20 | — | 74 | 15 | 45 | 46 | 24 | 46 | 53 | 45 | — | 28 | 15 | — | 0 | 0 | — |
| Percent White | 53 | 77 | — | 26 | 85 | 39 | 54 | 76 | 54 | 13 | 39 | — | 72 | 85 | — | 100 | 100 | — |
| Percent Other | 7 | 3 | — | 0 | 0 | 16 | 0 | 0 | 0 | 34 | 16 | — | 0 | 0 | — | 0 | 0 | — |
| MEDIAN FAMILY INCOME | 4260 | 5405 | — | 2022 | 5225 | 1700 | 6233 | 8167 | 6266 | 3900 | 1700 | — | 5275 | 6850 | — | 3871 | 5083 | — |
| Number Responding | — | — | — | 66 | 45 | 28 | 48 | 68 | 33 | 34 | 28 | — | 41 | 60 | — | 70 | 65 | — |
| MOTHER'S EDUCATION Percent H.S. Graduates | 29 | 39 | — | 34 | 37 | 26 | 50 | 62 | 50 | 35 | 26 | — | 8 | 42 | — | 19 | 27 | — |
| Number Responding | — | — | — | 62 | 43 | 27 | 44 | 68 | 32 | 34 | 27 | — | 37 | 60 | — | 69 | 59 | — |
| FEMALE HEADS OF HOUSEHOLD Percent | 24 | 15 | — | 39 | 9 | 47 | 10 | 7 | 24 | 41 | 47 | — | 17 | 10 | — | 10 | 3 | — |
| BEST MATCHED SITE | | | | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C3-IIIEF-3

## TEACHER BACKGROUND CHARACTERISTICS FOR COHORT III-E SITES IN TEEM MODEL

| | Vermilion Par., LA | | Durham Co., NC | | Ft. Worth, TX | | Walker Co., GA | | Pike Co., KY | |
|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| **YEARS OF ELEMENTARY TEACHING EXPERIENCE** | | | | | | | | | | |
| Mean | 7.38 | 19.18 | 4.20 | 12.41 | 7.66 | 21.46 | 2.66 | 15.66 | 14.00 | 20.50 |
| Standard Deviation | 5.90 | 11.62 | 1.48 | 12.39 | 7.80 | 11.96 | 1.52 | 16.42 | 11.88 | 10.70 |
| N | 9 | 16 | 5 | 12 | 12 | 26 | 3 | 6 | 4 | 8 |
| **YEARS IN SCHOOL** | | | | | | | | | | |
| Mean | 2.43 | 12.06 | 2.83 | 7.73 | 3.45 | 10.44 | 3.66 | 9.33 | 5.75 | 11.87 |
| Standard Deviation | 3.27 | 12.48 | 3.58 | 11.38 | 4.17 | 9.17 | .57 | 6.97 | 1.25 | 9.21 |
| N | 8 | 16 | 6 | 13 | 12 | 26 | 3 | 6 | 4 | 8 |
| **YEARS IN MODEL** | | | | | | | | | | |
| Mean | 2.66 | .50 | 2.16 | .50 | 3.12 | .50 | 1.66 | 0 | 3.50 | .62 |
| Standard Deviation | 2.04 | 0 | 1.47 | 0 | 1.90 | 0 | 1.15 | 0 | 1.91 | .25 |
| N | 9 | 3 | 6 | 2 | 12 | 6 | 3 | 0 | 4 | 4 |
| **TEACHER'S EDUCATION** | | | | | | | | | | |
| % Less than B.A. | 11.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % with B.A. | 55.6 | 81.3 | 50.0 | 46.2 | 33.3 | 42.3 | 0 | 0 | 0 | 37.5 |
| % Some Graduate | 22.2 | 18.8 | 33.3 | 30.8 | 41.7 | 15.4 | 100 | 66.7 | 75.0 | 62.5 |
| % M.A. or More | 11.1 | 0 | 16.7 | 23.1 | 25.0 | 42.3 | 0 | 33.3 | 25.0 | 0 |
| N | 9 | 16 | 0 | 13 | 12 | 26 | 3 | 6 | 4 | 8 |
| **TEACHER'S CERTIFICATION** | | | | | | | | | | |
| % None | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Temporary | 0 | 0 | 0 | 0 | 8.3 | 0 | 33.3 | 0 | 50.0 | 25.0 |
| % Renewable/Permanent | 100 | 100 | 100 | 100 | 91.7 | 100 | 66.7 | 100 | 50.0 | 75.0 |
| N | 8 | 14 | 5 | 13 | 12 | 26 | 3 | 6 | 4 | 8 |
| **TEACHER'S ETHNICITY** | | | | | | | | | | |
| % White | 55.6 | 81.3 | 66.7 | 76.9 | 83.3 | 73.1 | 66.7 | 66.7 | 100 | 100 |
| % Black | 44.4 | 18.8 | 33.3 | 23.1 | 16.7 | 26.9 | 33.3 | 33.3 | 0 | 0 |
| % Spanish Surname | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N | 9 | 16 | 6 | 13 | 12 | 26 | 3 | 6 | 4 | [illegible] |
| **AGE IN YEARS** | | | | | | | | | | |
| Mean | 33.55 | 43.62 | 28.33 | 37.07 | 33.06 | 46.96 | 36.00 | 42.33 | 37.75 | 47.71 |
| Standard Deviation | 10.57 | 10.75 | 3.67 | 13.18 | 8.78 | 12.12 | 16.46 | 15.05 | 10.93 | 7.65 |
| N | 9 | 16 | 6 | 13 | 12 | 26 | 3 | 6 | 4 | 7 |

## Table C3-IIIEF-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1974) FOR THE COHORT III ENTERING FIRST SITES IN THE TEEM MODEL

| | SPONSOR'S SITES | | | VERMILION PAR., LA | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 45.8 | 49.9 | — | 49.8 | 51.2 | 50.5 | 49.0 | 47.3 | 47.4 | 44.3 | 50.5 | — | 40.8 | 52.2 | — | 45.3 | 48.3 | — |
| Number | 5 | 5 | — | 9 | 16 | 26 | 6 | 13 | 8 | 12 | 26 | — | 3 | 6 | — | 4 | 7 | — |
| Local Mean Difference | -4.1 | — | — | — | — | — | — | — | — | -6.2 | — | — | -11.5 | — | — | -3.1 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | -6.2 | — | — | -11.5 | — | — | -3.1 | — | — |
| FLEXIBLE CLASSROOM | 57.3 | 47.7 | — | 53.0 | 43.3 | 43.5 | 54.8 | 53.8 | 49.4 | 57.9 | 43.5 | — | 64.2 | 49.9 | — | 56.7 | 48.2 | — |
| Number | 5 | 5 | — | 9 | 16 | 26 | 6 | 13 | 9 | 12 | 26 | — | 3 | 6 | — | 4 | 7 | — |
| Local Mean Difference | 9.6 | — | — | 9.6 | — | — | — | — | — | 14.5 | — | — | 14.3 | — | — | 8.5 | — | — |
| Best Match Mean Difference | — | — | — | 9.5 | — | — | 5.4 | — | — | 14.5 | — | — | 14.3 | — | — | 8.5 | — | — |
| INDIVIDUALIZATION | 54.3 | 47.3 | — | 55.3 | 36.9 | 46.3 | 52.5 | 55.0 | 51.9 | 56.6 | 46.3 | — | 53.9 | 50.9 | — | 53.1 | 47.4 | — |
| Number | 5 | 5 | — | 9 | 16 | 26 | 6 | 13 | 9 | 12 | 26 | — | 3 | 6 | — | 4 | 8 | — |
| Local Mean Difference | 7.0 | — | — | 18.4 | — | — | — | — | — | 10.4 | — | — | 3.0 | — | — | 5.8 | — | — |
| Best Match Mean Difference | — | — | — | 9.1 | — | — | — | — | — | 10.4 | — | — | 3.0 | — | — | 5.8 | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 49.7 | 49.9 | — | 52.7 | 53.7 | 47.3 | 53.9 | 46.7 | 47.8 | 45.0 | 47.3 | — | 49.0 | 56.3 | — | 48.1 | 45.3 | — |
| Number | 5 | 5 | — | 8 | 15 | 24 | 6 | 13 | 9 | 12 | 24 | — | 2 | 6 | — | 4 | 6 | — |
| Local Mean Difference | — | — | — | — | — | — | 7.2 | — | — | — | — | — | -7.4 | — | — | 2.8 | — | — |
| Best Match Mean Difference | — | — | — | 5.4 | — | — | 6.1 | — | — | — | — | — | -7.4 | — | — | 2.8 | — | — |
| SATISFACTION WITH SPONSOR | 57.4 | 45.3 | — | 57.1 | 40.7 | 43.2 | 51.6 | 48.1 | 47.2 | 56.1 | 43.2 | — | 59.5 | 42.7 | — | 63.0 | 51.7 | — |
| Number | 5 | 5 | — | 9 | 14 | 22 | 6 | 8 | 5 | 12 | 22 | — | 3 | 6 | — | 4 | 5 | — |
| Local Mean Difference | 12.2 | — | — | 16.4 | — | — | 3.5 | — | — | 12.9 | — | — | 16.8 | — | — | 11.3 | — | — |
| Best Match Mean Difference | — | — | — | 13.9 | — | — | 4.4 | — | — | 12.9 | — | — | 16.8 | — | — | 11.3 | — | — |
| BEST MATCHED SITE | | | | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

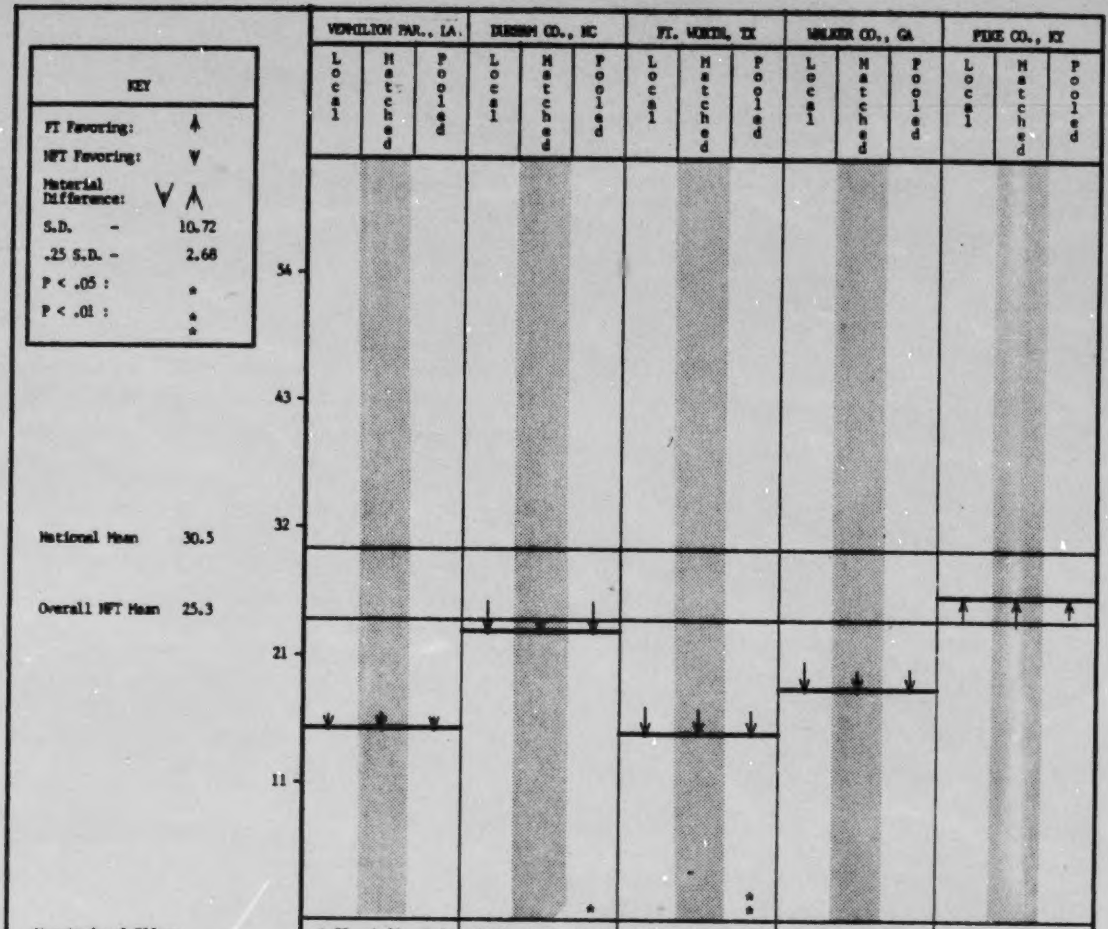
## Table C3-IIIEF-5

STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1974)
FOR THE COHORT III ENTERING FIRST SITES
IN THE TEEM MODEL

| | SPONSOR'S SITES | | | VERMILION PAR., LA | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 51.9 | 50.1 | — | 54.5 | 49.4 | 46.0 | 49.9 | 56.0 | 54.4 | 51.6 | 46.0 | — | 52.3 | 50.4 | — | 54.1 | 48.8 | — |
| Number | 5 | 5 | — | 35 | 20 | 26 | 29 | 39 | 20 | 30 | 26 | — | 24 | 31 | — | 39 | 32 | — |
| Local Mean Difference | — | — | — | [illegible] | — | — | [illegible] | — | — | 5.7 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 6.5 | — | — | -4.5 | — | — | — | — | — | — | — | — | — | — | — |
| SCHOOL HELPED CHILD | 51.7 | 48.6 | — | 53.5 | 46.6 | 49.1 | 51.0 | 48.5 | 45.8 | 52.0 | 49.1 | — | 49.1 | 50.0 | — | 52.9 | 49.1 | — |
| Number | 5 | 5 | — | 35 | 19 | 26 | 29 | 39 | 20 | 30 | 26 | — | 24 | 31 | — | 39 | 32 | — |
| Local Mean Difference | 3.1 | — | — | 6.9 | — | — | 2.5 | — | — | 2.9 | — | — | — | — | — | 3.9 | — | — |
| Best Match Mean Difference | — | — | — | 4.4 | — | — | 5.3 | — | — | — | — | — | — | — | — | — | — | — |
| PAC INVOLVEMENT | 52.1 | 46.6 | — | 53.0 | 44.9 | 47.4 | 52.2 | 47.0 | 44.8 | 51.3 | 47.4 | — | 47.8 | 48.8 | — | 56.3 | 44.9 | — |
| Number | 5 | 5 | — | 32 | 20 | 26 | 26 | 33 | 15 | 30 | 26 | — | 22 | 30 | — | 37 | 31 | — |
| Local Mean Difference | 5.5 | — | — | 8.0 | — | — | 5.2 | — | — | 4.0 | — | — | — | — | — | 11.4 | — | — |
| Best Match Mean Difference | — | — | — | 5.6 | — | — | 7.4 | — | — | — | — | — | — | — | — | — | — | — |
| CHILD READS AT HOME | 50.4 | 49.5 | — | 50.3 | 48.7 | 49.2 | 48.3 | 48.2 | 51.0 | 54.0 | 49.2 | — | 50.1 | 52.7 | — | 49.4 | 48.6 | — |
| Number | 5 | 5 | — | 35 | 20 | 26 | 29 | 39 | 20 | 30 | 26 | — | 24 | 31 | — | 39 | 32 | — |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | 4.8 | — | — | -2.6 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -2.7 | — | — | — | — | — | — | — | — | — | — | — |
| CHILD'S PROG IN SCHOOL | 50.6 | 47.4 | — | 52.6 | 44.2 | 46.5 | 50.7 | 48.1 | 47.7 | 51.2 | 46.5 | — | 49.1 | 47.6 | — | 49.2 | 49.0 | — |
| Number | 5 | 5 | — | 35 | 20 | 26 | 29 | 39 | 20 | 30 | 26 | — | 24 | 31 | — | 39 | 32 | — |
| Local Mean Difference | 3.5 | — | — | 8.4 | — | — | 2.6 | — | — | 4.7 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 6.1 | — | — | 3.1 | — | — | — | — | — | — | — | — | — | — | — |
| CHILD READ TO AT HOME | 50.4 | 50.4 | — | 50.7 | 46.3 | 52.9 | 47.7 | 49.9 | 46.7 | 50.6 | 52.9 | — | 53.7 | 50.6 | — | 49.2 | 51.0 | — |
| Number | 5 | 5 | — | 35 | 20 | 26 | 29 | 39 | 20 | 30 | 26 | — | 24 | 31 | — | 39 | 32 | — |
| Local Mean Difference | — | — | — | 4.4 | — | — | — | — | — | — | — | — | 3.1 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| PARENT VISITS TO SCHOOL | 52.4 | 50.1 | — | 49.1 | 46.5 | 46.9 | 51.7 | 50.8 | 47.0 | 50.5 | 46.9 | — | 52.7 | 50.2 | — | 58.2 | 56.2 | — |
| Number | 5 | 5 | — | 35 | 20 | 26 | 29 | 39 | 20 | 30 | 26 | — | 24 | 31 | — | 39 | 32 | — |
| Local Mean Difference | — | — | — | 2.5 | — | — | — | — | — | 3.6 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 4.7 | — | — | — | — | — | — | — | — | — | — | — |
| CHILD'S EMOT ADJUST | 51.7 | 49.9 | — | 55.4 | 51.2 | 51.7 | 50.2 | 49.5 | 49.6 | 55.4 | 51.7 | — | 48.9 | 49.4 | — | 48.8 | 47.5 | — |
| Number | 5 | 5 | — | 35 | 19 | 26 | 29 | 39 | 20 | 30 | 26 | — | 24 | 31 | — | 39 | 32 | — |
| Local Mean Difference | — | — | — | 4.2 | — | — | — | — | — | 3.6 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 3.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| SCH HELPED WITH CHILD | 53.4 | 48.1 | — | 57.5 | 48.5 | 47.9 | 52.3 | 48.6 | 47.1 | 52.3 | 47.9 | — | 50.1 | 49.5 | — | 54.8 | 45.8 | — |
| Number | 5 | 5 | — | 35 | 19 | 26 | 29 | 39 | 20 | 30 | 26 | — | 24 | 31 | — | 39 | 32 | — |
| Local Mean Difference | 5.3 | — | — | 8.9 | — | — | 3.7 | — | — | 4.4 | — | — | — | — | — | 8.9 | — | — |
| Best Match Mean Difference | — | — | — | 9.5 | — | — | 5.2 | — | — | — | — | — | — | — | — | — | — | — |
| SCHOOL'S RECEPTIVITY | 50.0 | 50.1 | — | 52.7 | 53.5 | 50.6 | 47.2 | 51.5 | 53.2 | 52.7 | 50.6 | — | 48.4 | 50.3 | — | 48.8 | 44.5 | — |
| Number | 5 | 5 | — | 35 | 20 | 26 | 29 | 39 | 20 | 30 | 26 | — | 24 | 31 | — | 39 | 32 | — |
| Local Mean Difference | — | — | — | — | — | — | -4.2 | — | — | — | — | — | — | — | — | 4.3 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -6.0 | — | — | — | — | — | — | — | — | — | — | — |
| PARENT LOCUS | 50.9 | 49.7 | — | 52.1 | 52.5 | 53.8 | 48.9 | 47.0 | 49.0 | 51.6 | 53.8 | — | 53.3 | 43.8 | — | 48.5 | 51.5 | — |
| Number | 5 | 5 | — | 35 | 20 | 26 | 29 | 39 | 20 | 30 | 26 | — | 24 | 31 | — | 35 | 32 | — |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | 9.5 | — | — | -3.0 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| SCH HELPED PERSONALLY | 52.4 | 49.5 | — | 53.8 | 50.4 | 50.9 | 48.3 | 51.7 | 46.8 | 52.7 | 50.9 | — | 52.2 | 47.1 | — | 54.8 | 47.4 | — |
| Number | 5 | 5 | — | 35 | 20 | 26 | 29 | 39 | 20 | 30 | 26 | — | 24 | 31 | — | 39 | 32 | — |
| Local Mean Difference | 2.9 | — | — | 3.3 | — | — | -3.4 | — | — | — | — | — | 5.0 | — | — | 7.5 | — | — |
| Best Match Mean Difference | — | — | — | 2.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| PARENT-CHILD INTERACTION | 51.4 | 49.8 | — | 51.0 | 49.4 | 48.6 | 50.4 | 51.0 | 48.4 | 49.6 | 48.6 | — | 52.4 | 52.5 | — | 53.6 | 47.6 | — |
| Number | 5 | 5 | — | 35 | 20 | 26 | 29 | 39 | 20 | 30 | 26 | — | 24 | 31 | — | 39 | 32 | — |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 5.0 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| BEST MATCHED SITE | | | | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C3-IIIEF-7

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT WORD KNOWLEDGE
FOR COHORT III ENTERING FIRST SITES
IN THE TEEM MODEL

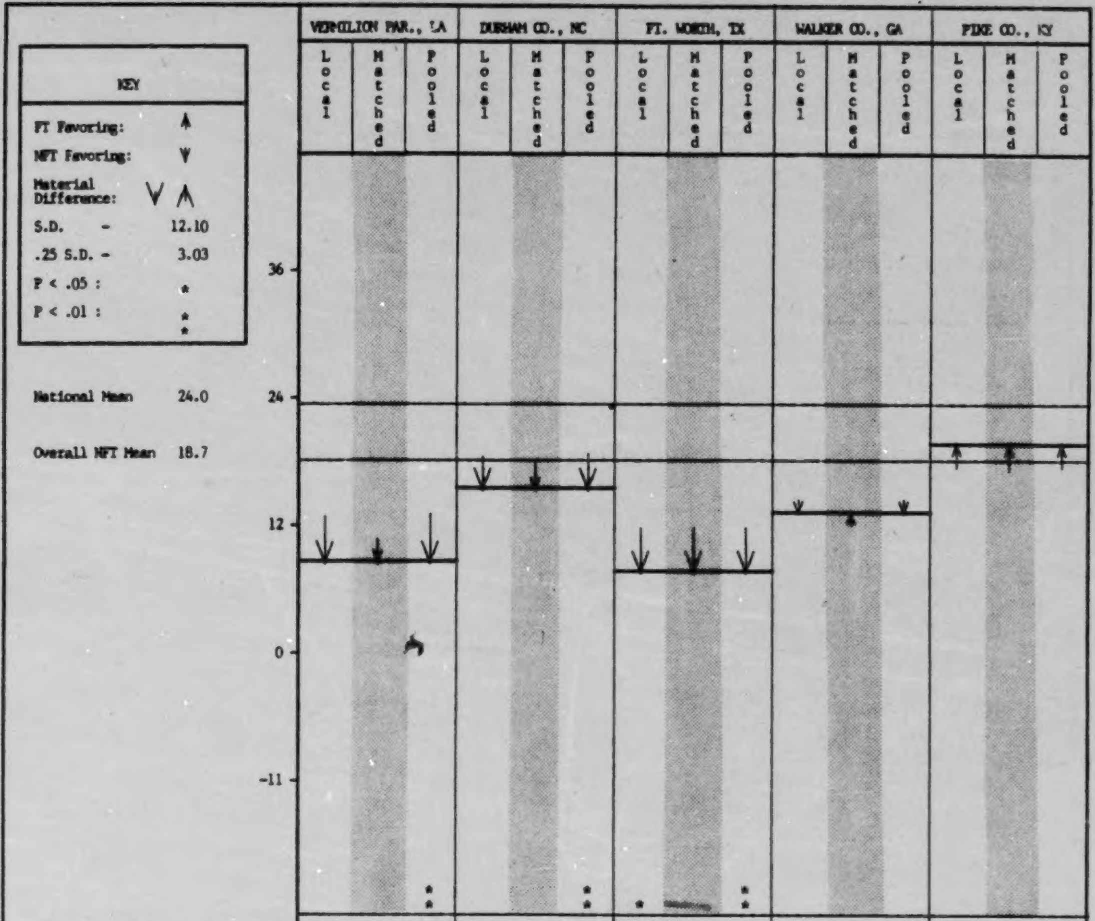


| | VERMILION PAR., LA. Local | Matched | Pooled | DURHAM CO., NC Local | Matched | Pooled | FT. WORTH, TX Local | Matched | Pooled | WALKER CO., GA Local | Matched | Pooled | PIKE CO., KY Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.77 | -1.55 | -1.10 | -2.63 | -0.25 | -2.64 | -2.39 | -2.17 | -1.98 | -2.48 | -1.68 | -1.77 | 2.06 | 2.41 | 1.65 |
| Standard Error | 2.16 | 2.44 | 0.61 | 1.78 | 2.22 | 1.06 | 1.49 | 2.65 | 0.73 | 2.20 | 2.06 | 1.29 | 1.92 | 1.74 | 1.16 |
| FT Mean | 15.52 | | | 23.66 | | | 15.15 | | | 18.91 | | | 26.79 | | |
| No. of FT Children | 125 | | | 70 | | | 120 | | | 47 | | | 72 | | |
| Matched NFT Site | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

523

## Table C3-IIIEF-8

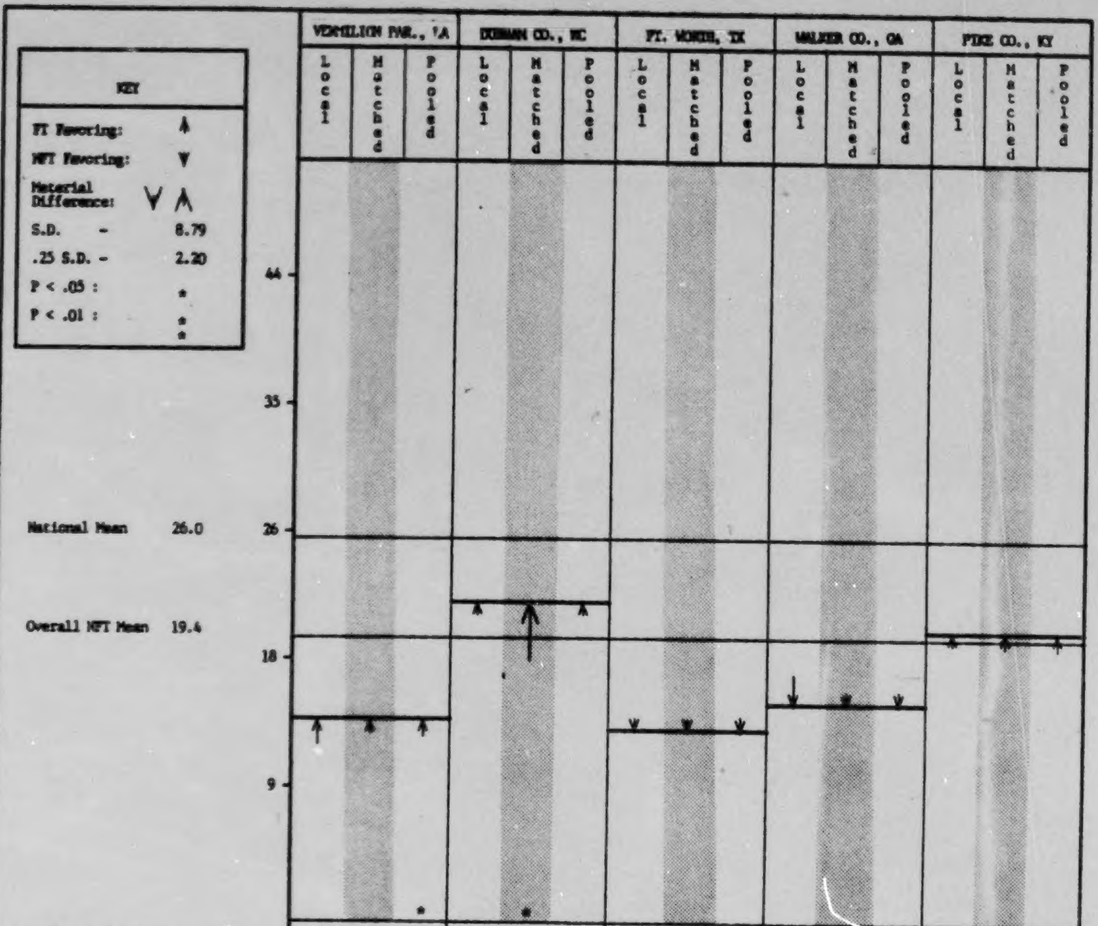
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT SPELLING
FOR COHORT III ENTERING FIRST SITES
IN THE TEEM MODEL



| | VERMILION PAR., LA | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -4.55 | -2.25 | -4.70 | -3.14 | -2.46 | -3.41 | -4.28 | -4.28 | -4.23 | -0.36 | 0.24 | -1.06 | 2.33 | 2.52 | 2.30 |
| Standard Error | 2.45 | 2.81 | 0.83 | 2.02 | 2.48 | 1.15 | 1.69 | 2.90 | 0.80 | 2.49 | 2.19 | 1.54 | 2.18 | 2.02 | 1.46 |
| FT Mean | 8.76 | | | 15.81 | | | 8.03 | | | 13.53 | | | 20.11 | | |
| No. of FT Children | 125 | | | 70 | | | 120 | | | 47 | | | 72 | | |
| Matched NFT Site | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C3-IIIEF-9

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT LANGUAGE
FOR COHORT III ENTERING FIRST SITES
IN THE TEEM MODEL



| | VERMILION PAR., LA Local | Matched | Pooled | DURHAM CO., NC Local | Matched | Pooled | FT. WORTH, TX Local | Matched | Pooled | WALKER CO., GA Local | Matched | Pooled | PIKE CO., KY Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 1.64 | 0.50 | 1.19 | 0.34 | 3.99 | 0.36 | -0.46 | -0.83 | -0.11 | -2.03 | -0.85 | -0.46 | 0.67 | 0.65 | 1.26 |
| Standard Error | 1.72 | 1.91 | 0.49 | 1.41 | 1.85 | 0.96 | 1.19 | 1.95 | 0.49 | 1.75 | 1.64 | 1.28 | 1.53 | 1.31 | 0.83 |
| FT Mean | 13.64 | | | 21.74 | | | 12.92 | | | 14.81 | | | 19.82 | | |
| No. of FT Children | 125 | | | 70 | | | 120 | | | 47 | | | 72 | | |
| Matched NFT Site | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

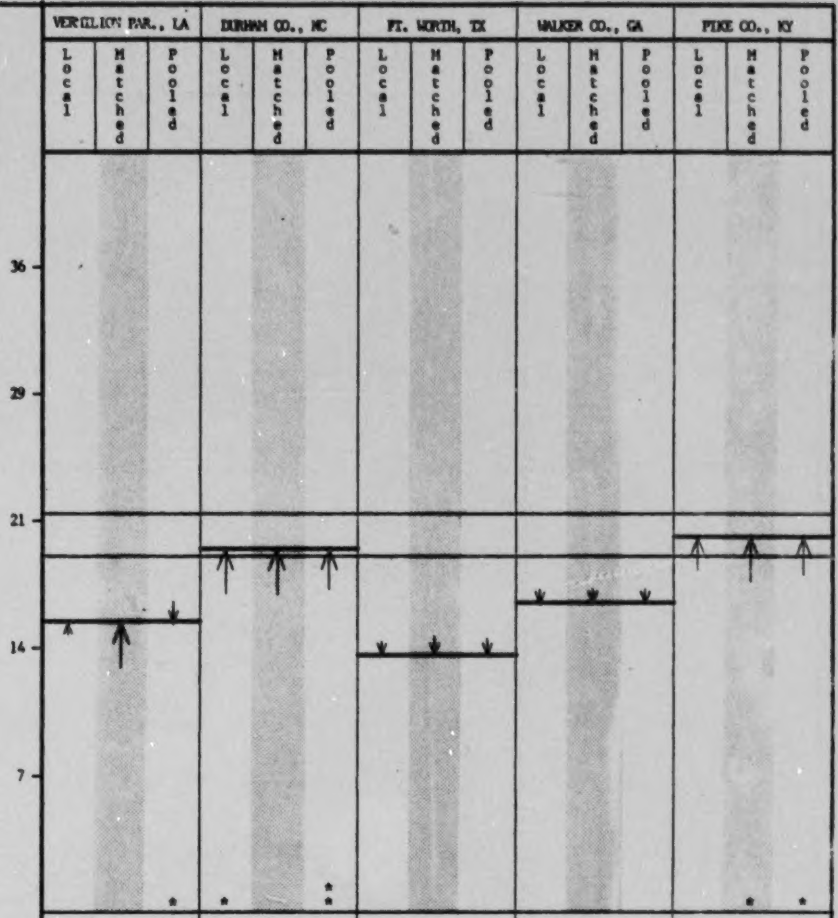
## Table C3-IIIEF-10

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT III ENTERING FIRST SITES IN THE TERM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋎ ⋏ |
| S.D. - | 7.14 |
| .25 S.D. - | 1.78 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.5

Overall NFT Mean 19.4

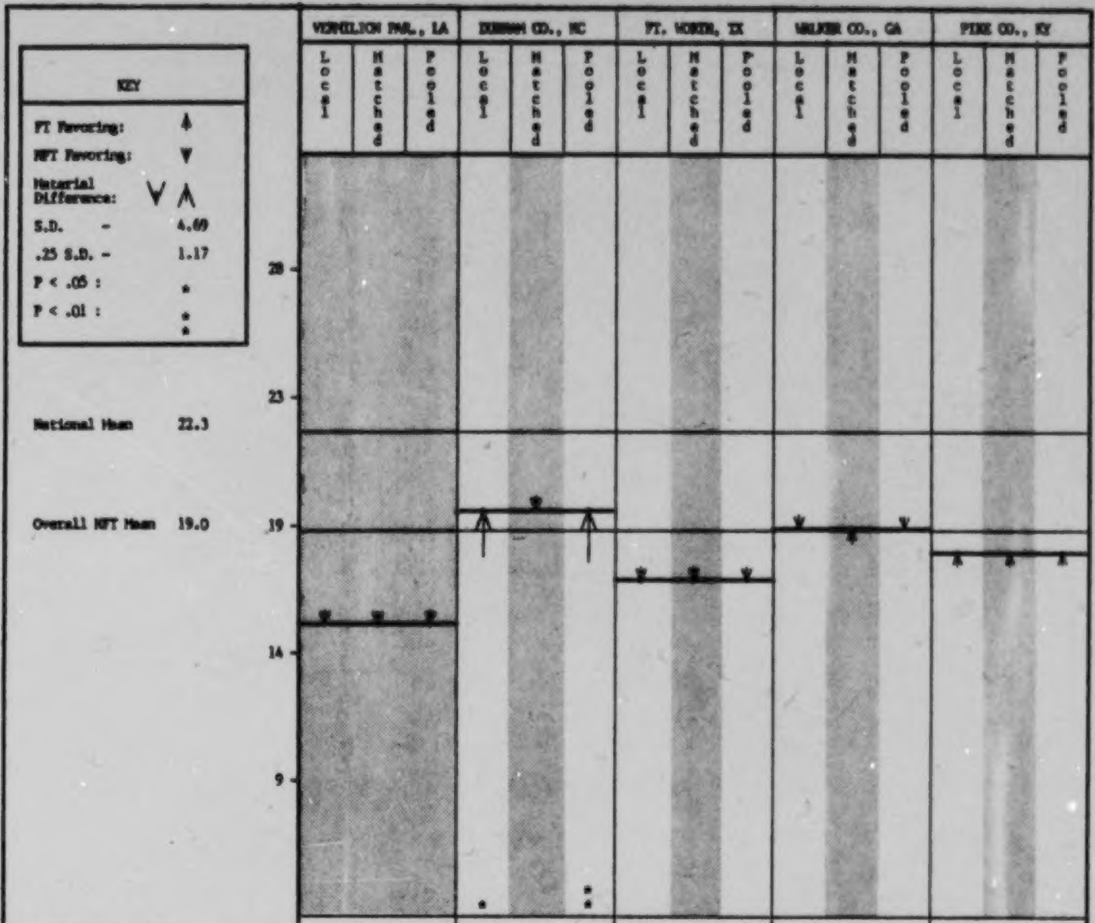


| | VERMILION PAR., LA | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | | * | * | | ** | | | | | | | | * | * |
| Magnitude of Effect | 0.28 | 2.62 | -1.20 | 2.46 | 2.56 | 2.22 | -0.77 | -1.04 | -0.92 | -0.33 | -0.35 | -0.70 | 1.95 | 2.53 | 2.17 |
| Standard Error | 1.44 | 1.66 | 0.55 | 1.19 | 1.52 | 0.78 | 1.00 | 1.61 | 0.48 | 1.47 | 1.26 | 0.85 | 1.28 | 1.14 | 0.88 |
| FT Mean | 15.98 | | | 20.01 | | | 14.04 | | | 17.02 | | | 20.75 | | |
| No. of FT Children | 125 | | | 70 | | | 120 | | | 47 | | | 72 | | |
| Matched NFT Site | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

**COHORT III-EF STUDY**
**Non-Preschool Adjusted**

## Table C3-IIIEF-11

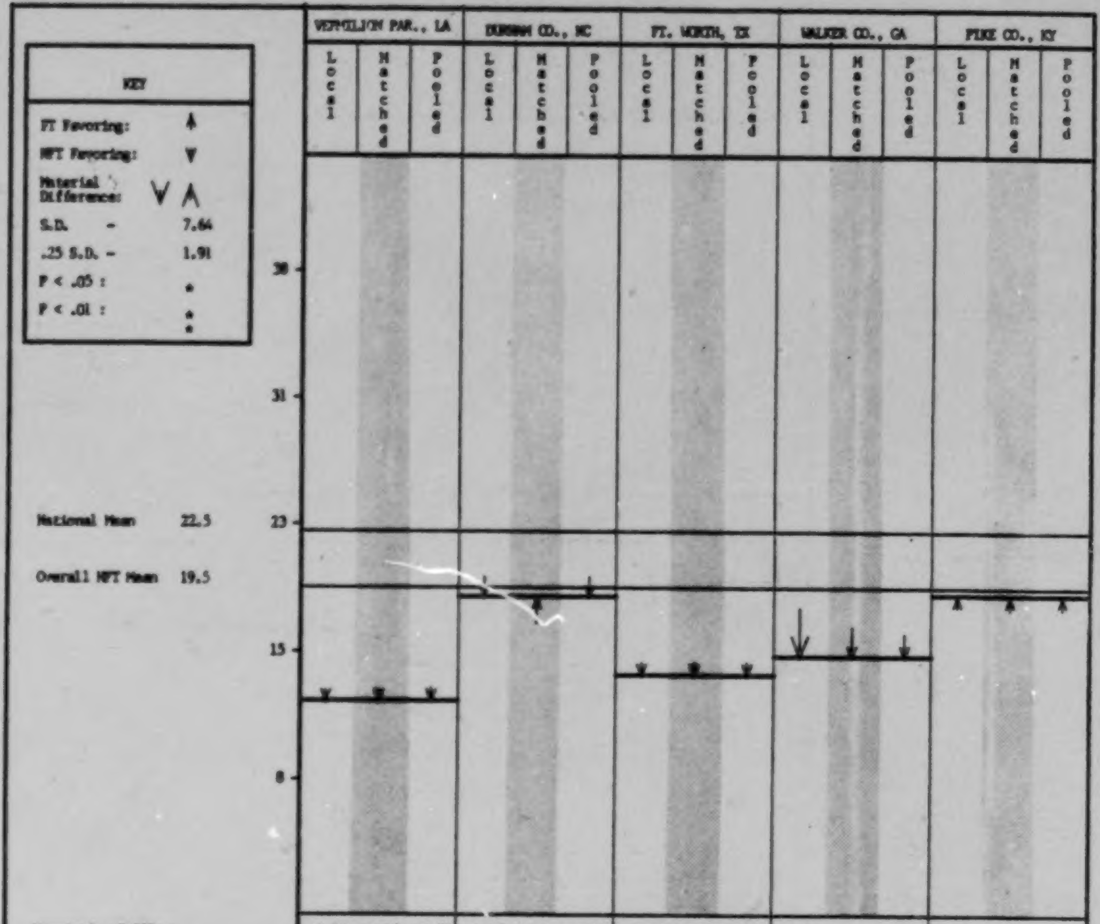
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE RAVEN'S PROGRESSIVE MATRICES
FOR COHORT III ENTERING FIRST SITES
IN THE TEEM MODEL



| | VERMILION PAR., LA | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.42 | -0.45 | -0.53 | 1.67 | -0.53 | 1.94 | -0.53 | -0.51 | -0.16 | -0.06 | 0.40 | -0.20 | 0.20 | 0.14 | 0.01 |
| Standard Error | 0.98 | 1.17 | 0.38 | 0.81 | 0.96 | 0.49 | 0.68 | 1.18 | 0.37 | 1.00 | 0.89 | 0.50 | 0.87 | 0.71 | 0.61 |
| FT Mean | 15.22 | | | 19.41 | | | 16.78 | | | 18.72 | | | 17.82 | | |
| No. of FT Children | 125 | | | 70 | | | 120 | | | 47 | | | 72 | | |
| Matched NFT Site | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C3-IIIEF-12

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT READING
FOR COHORT III ENTERING FIRST SITES
IN THE TERM MODEL



| | VERMILION PAR., LA | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.10 | -0.48 | -0.83 | -1.17 | 1.62 | -1.23 | -0.67 | -0.61 | -0.34 | -2.86 | -1.80 | -1.30 | 0.75 | 0.69 | 0.55 |
| Standard Error | 1.61 | 1.76 | 0.46 | 1.33 | 1.69 | 0.86 | 1.12 | 1.87 | 0.49 | 1.64 | 1.67 | 1.28 | 1.44 | 1.18 | 0.82 |
| FT Mean | 12.49 | | | 18.81 | | | 14.11 | | | 15.28 | | | 18.92 | | |
| No. of FT Children | 125 | | | 70 | | | 120 | | | 47 | | | 72 | | |
| Matched NFT Site | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

**COHORT III-EF STUDY**
**Non-Preschool Adjusted**

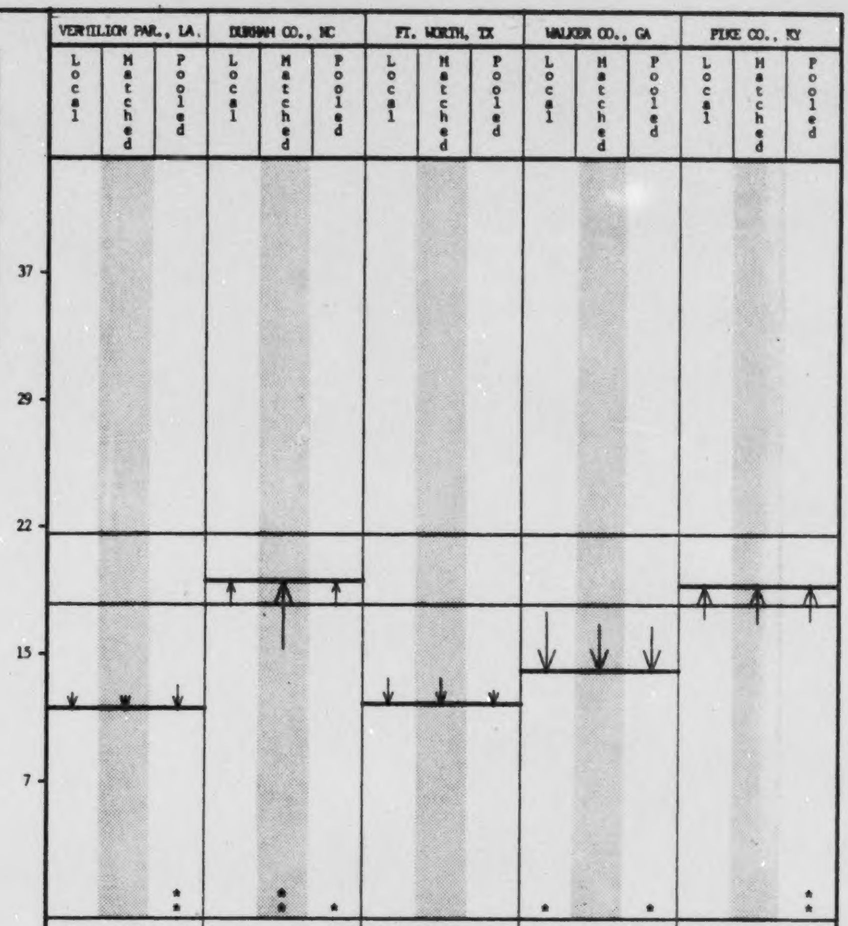
## Table C3-IIIEF-13

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS CONCEPTS FOR COHORT III ENTERING FIRST SITES IN THE TERM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 7.36 |
| .25 S.D. - | 1.84 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.0

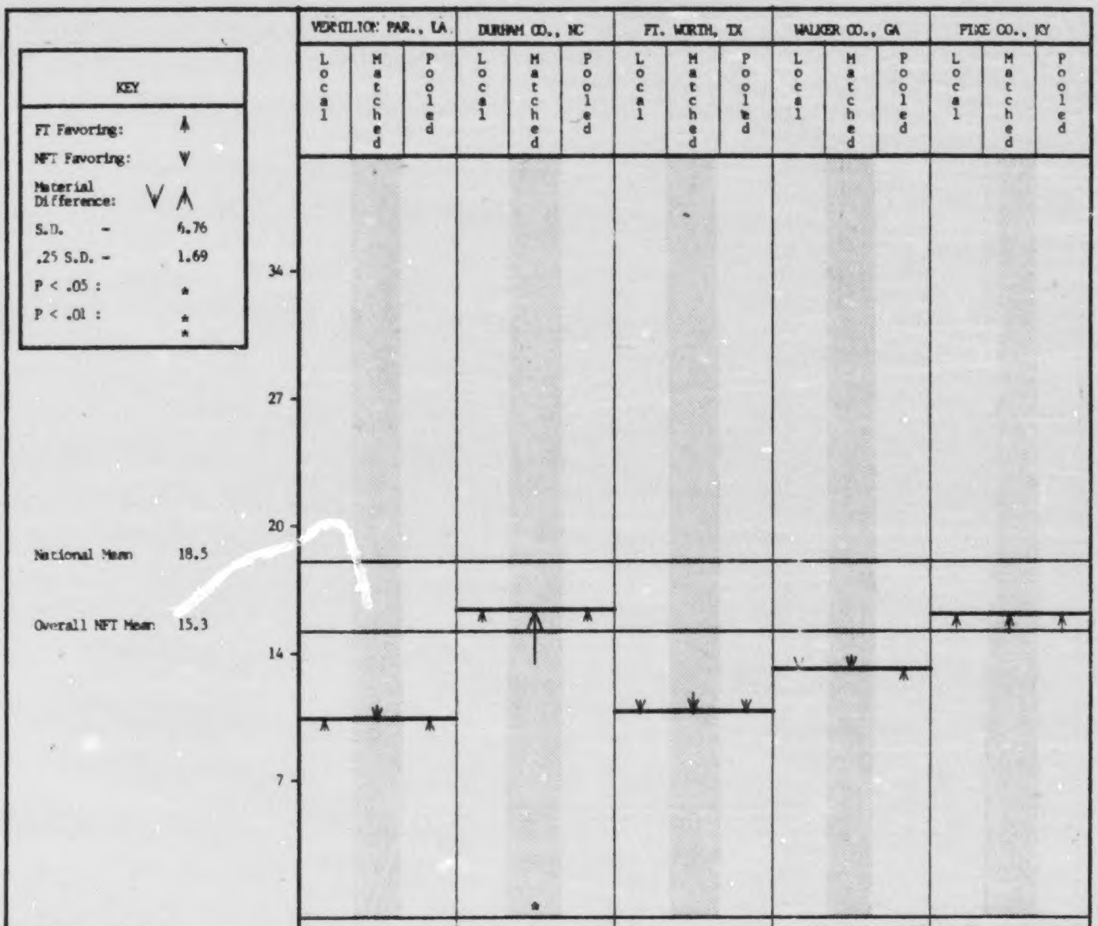
Overall NFT Mean 18.3



| | VERMILION PAR., LA. | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | | ** | | ** | * | | | | * | | * | | | ** |
| Magnitude of Effect | -1.00 | -0.55 | -1.35 | 1.46 | 3.86 | 1.45 | -1.61 | -1.58 | -0.93 | -3.33 | -2.74 | -2.53 | 1.93 | 2.21 | 2.09 |
| Standard Error | 1.44 | 1.55 | 0.42 | 1.19 | 1.42 | 0.68 | 1.00 | 1.65 | 0.50 | 1.47 | 1.50 | 1.09 | 1.29 | 1.15 | 0.77 |
| FT Mean | 11.78 | | | 19.11 | | | 12.01 | | | 14.02 | | | 18.92 | | |
| No. of FT Children | 125 | | | 70 | | | 120 | | | 47 | | | 72 | | |
| Matched NFT Site | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C3-IIIEF-14

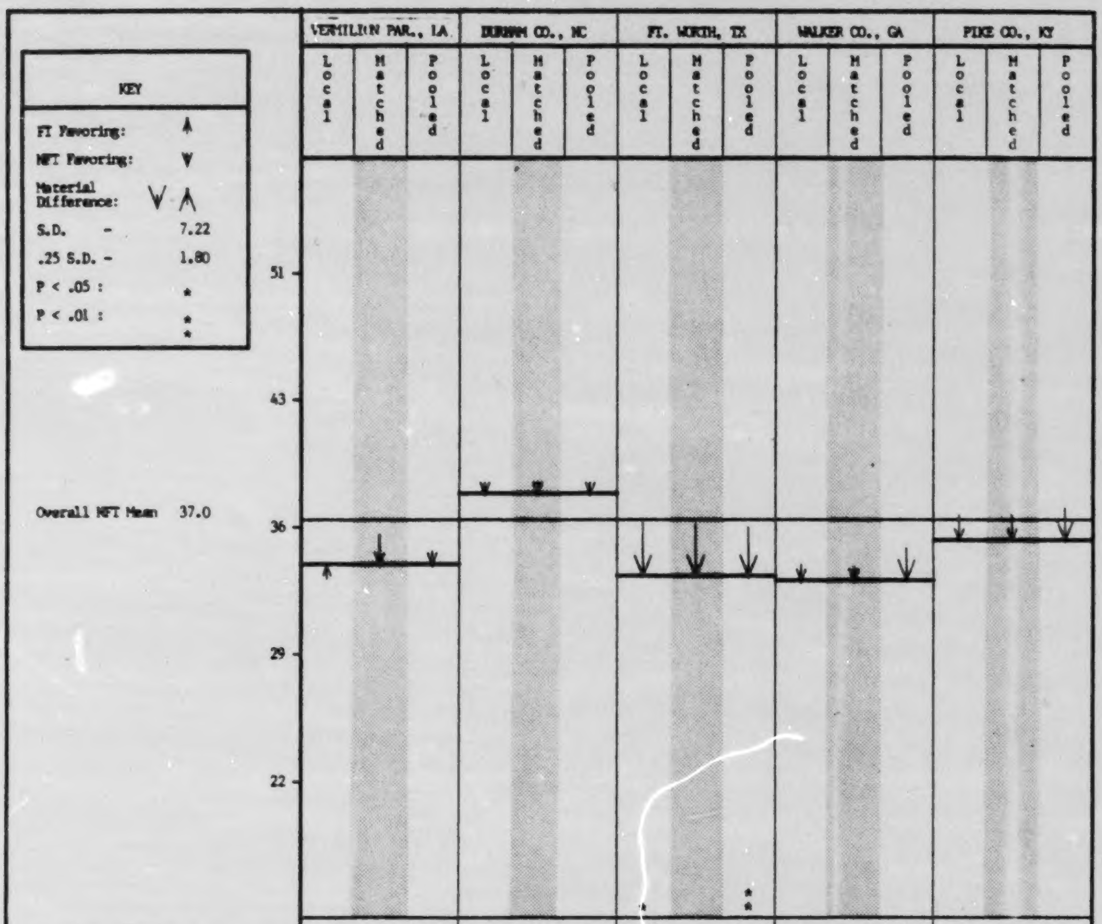
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT III ENTERING FIRST SITES IN THE TEEM MODEL



| | VERMILION PAR., LA | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.30 | -0.60 | 0.15 | 0.70 | 2.90 | 0.70 | -0.66 | -1.04 | -0.04 | -1.22 | -0.74 | 0.55 | 0.67 | 0.95 | 1.03 |
| Standard Error | 1.38 | 1.47 | 0.42 | 1.14 | 1.43 | 0.74 | 0.95 | 1.62 | 0.45 | 1.40 | 1.30 | 1.25 | 1.23 | 1.06 | 0.75 |
| FT Mean | 10.20 | | | 15.99 | | | 10.59 | | | 12.87 | | | 15.68 | | |
| No. of FT Children | 125 | | | 70 | | | 120 | | | 47 | | | 72 | | |
| Matched NFT Site | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C3-IIIEF-15

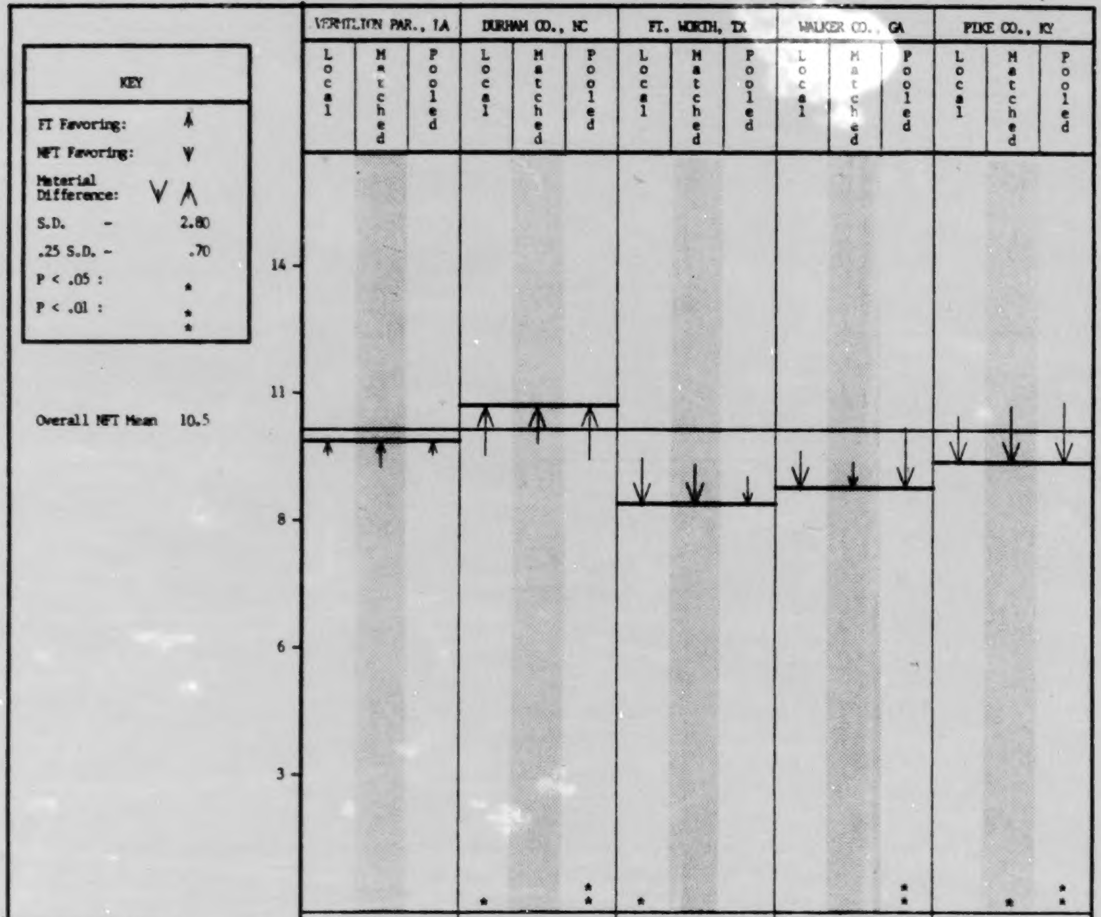
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT III ENTERING FIRST SITES IN THE TEEM MODEL



| | VERMILION PAR., LA | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.17 | -1.78 | -0.91 | -0.38 | -0.70 | -0.31 | -3.07 | -2.89 | -2.83 | -1.02 | -0.86 | -1.85 | -1.41 | -1.41 | -1.82 |
| Standard Error | 1.76 | 2.08 | 0.70 | 1.45 | 1.58 | 0.86 | 1.21 | 2.14 | 0.72 | 1.79 | 1.61 | 1.05 | 1.56 | 1.26 | 0.98 |
| FT Mean | 34.11 | | | 38.13 | | | 33.52 | | | 33.19 | | | 35.53 | | |
| No. of FT Children | 125 | | | 70 | | | 120 | | | 47 | | | 72 | | |
| Matched NFT Site | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C3-IIIEF-16

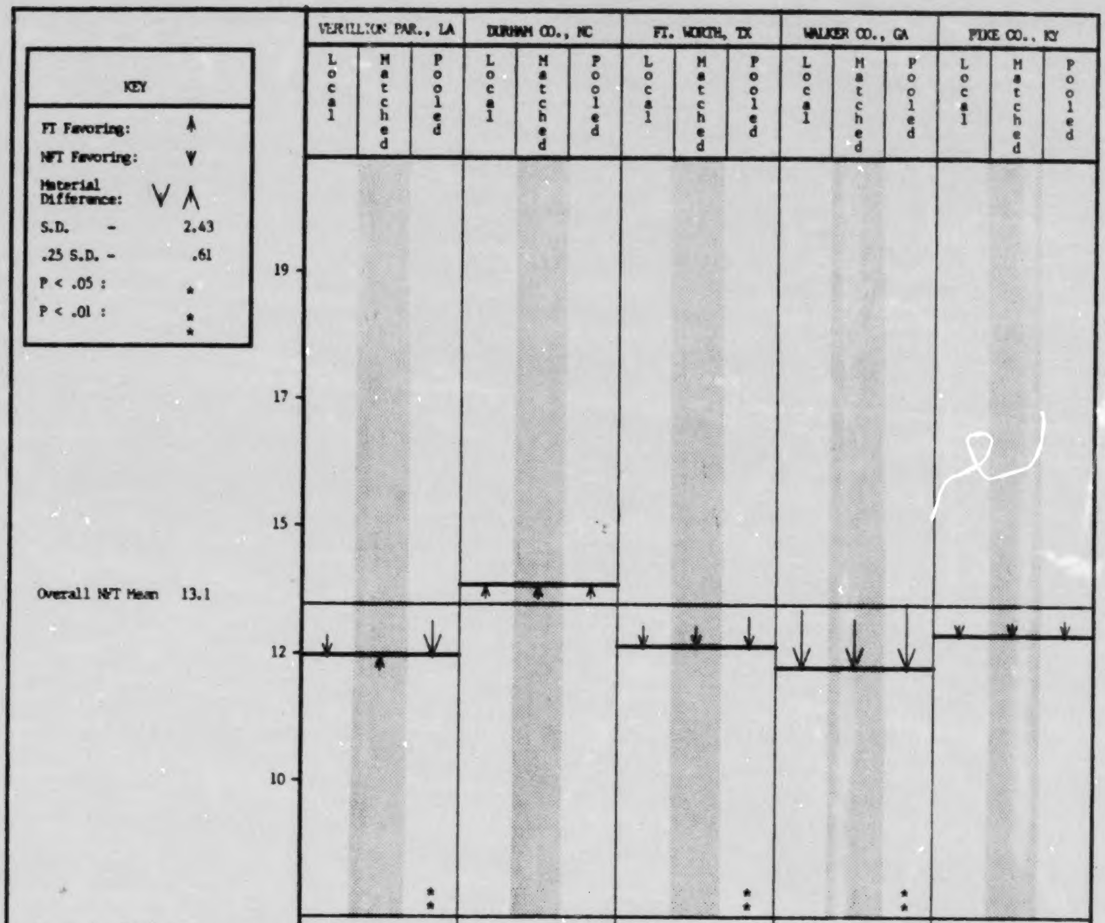
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT III ENTERING FIRST SITES IN THE TEEM MODEL



| | VERMILION PAR., LA | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.20 | 0.60 | 0.05 | 1.10 | 0.84 | 1.19 | -1.01 | -0.85 | -0.59 | -0.84 | -0.54 | -1.31 | -1.00 | -1.24 | -1.32 |
| Standard Error | 0.67 | 0.73 | 0.25 | 0.55 | 0.54 | 0.27 | 0.46 | 0.86 | 0.30 | 0.68 | 0.67 | 0.50 | 0.60 | 0.50 | 0.39 |
| FT Mean | 10.26 | | | 11.03 | | | 8.86 | | | 9.21 | | | 9.79 | | |
| No. of FT Children | 125 | | | 70 | | | 120 | | | 47 | | | 72 | | |
| Matched NFT Site | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C3-IIIEF-17

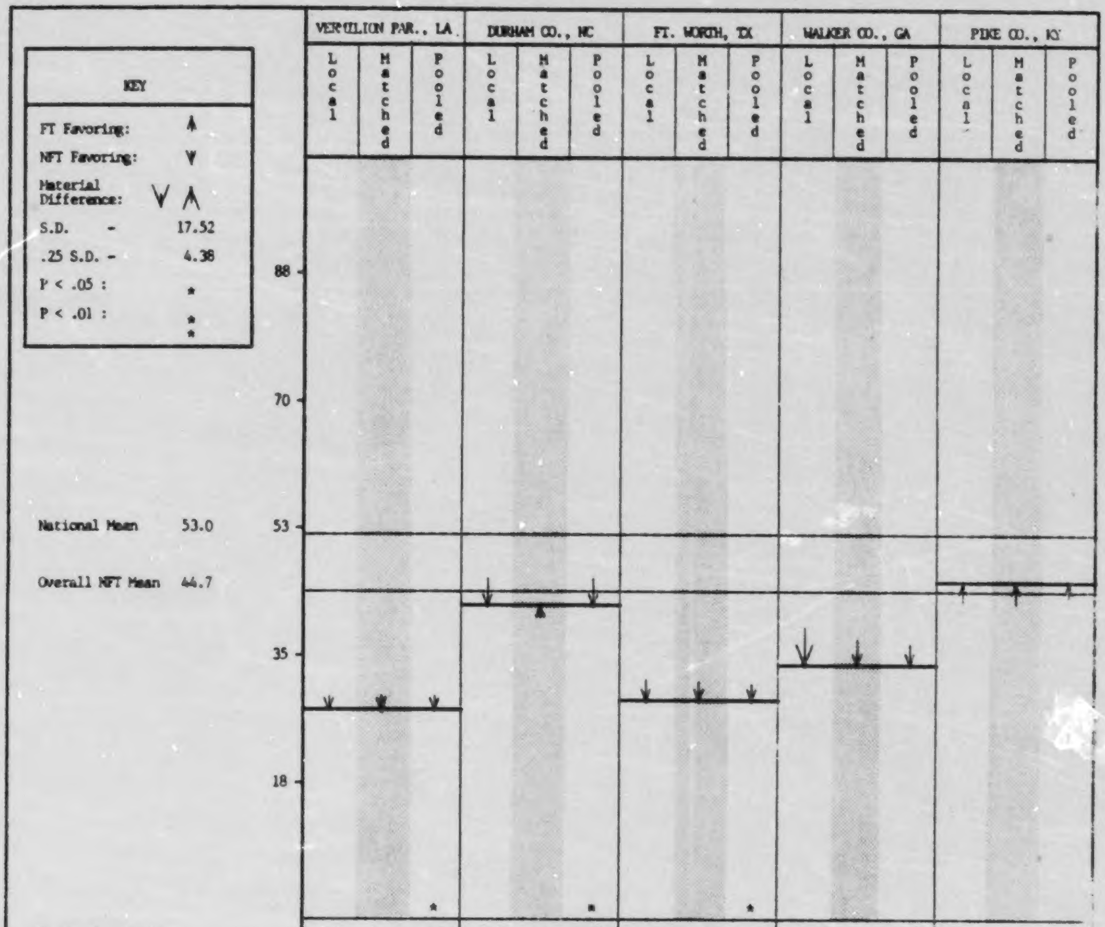
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE FOR COHORT III ENTERING FIRST SITES IN THE TEAM MODEL



| | VERMILLION PAR., LA | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.41 | 0.06 | -0.69 | 0.26 | 0.28 | 0.15 | -0.41 | -0.42 | -0.59 | -1.10 | -0.93 | -1.26 | -0.10 | -0.11 | -0.32 |
| Standard Error | 0.57 | 0.75 | 0.25 | 0.47 | 0.40 | 0.20 | 0.39 | 0.74 | 0.23 | 0.58 | 0.52 | 0.46 | 0.51 | 0.35 | 0.25 |
| FT Mean | 12.16 | | | 13.51 | | | 12.33 | | | 11.96 | | | 12.58 | | |
| No. of FT Children | 125 | | | 70 | | | 120 | | | 47 | | | 72 | | |
| Matched NFT Site | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C3-IIIEF-18

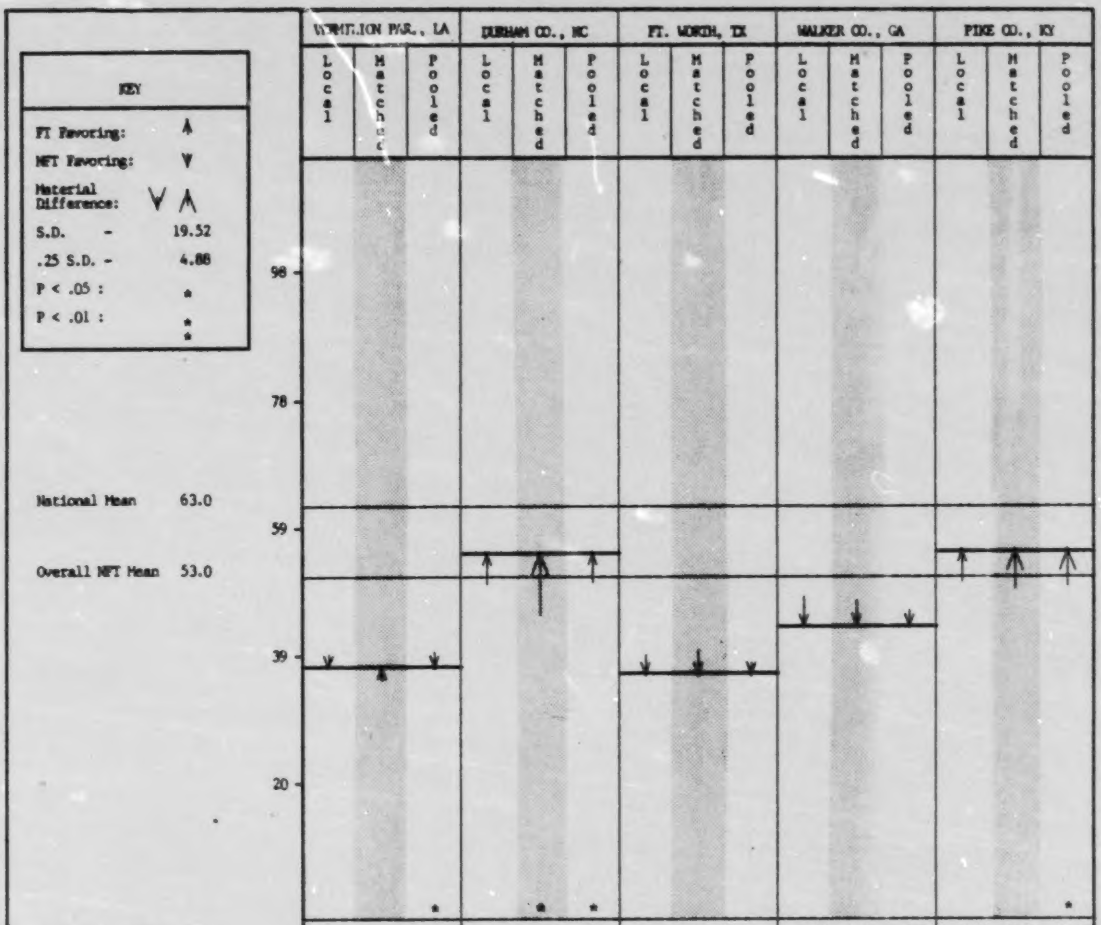
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT TOTAL READING
FOR COHORT III ENTERING FIRST SITES
IN THE TEEM MODEL



| | VERMILION PAR., LA | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.87 | -2.03 | -1.93 | -3.80 | 1.37 | -3.87 | -3.07 | -2.78 | -2.32 | -5.34 | -3.47 | -3.07 | 2.81 | 3.10 | [illegible] |
| Standard Error | 3.52 | 3.87 | 0.90 | 2.90 | 3.73 | 1.79 | 2.43 | 4.23 | 1.13 | 3.58 | 3.56 | 2.45 | 3.14 | 2.68 | 1.77 |
| FT Mean | 28.01 | | | 42.47 | | | 29.26 | | | 34.19 | | | 45.7 | | |
| No. of FT Children | 125 | | | 70 | | | 120 | | | 47 | | | 72 | | |
| Matched NFT Site | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C3-IIIEF-19

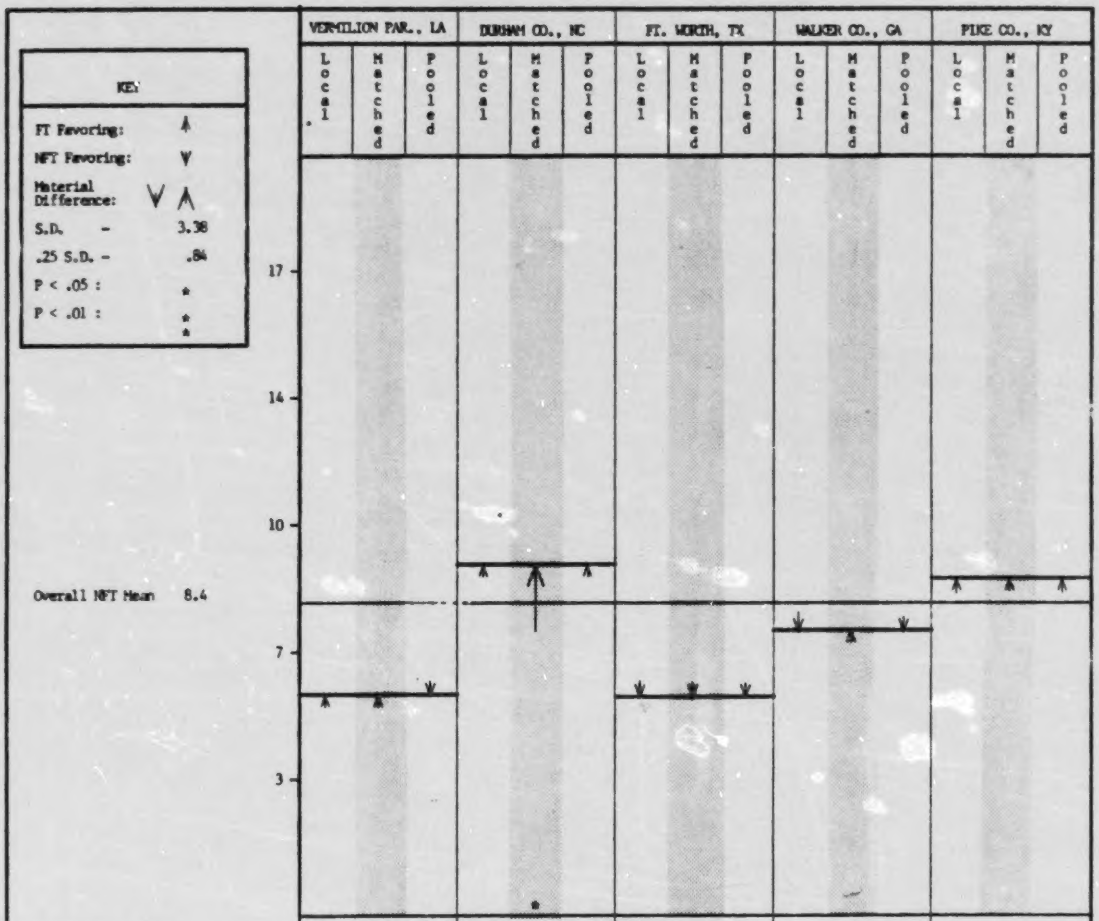
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT TOTAL MATH
FOR COHORT III ENTERING FIRST SITES
IN THE TEEM MODEL



| | VERMILION PAR., LA | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.43 | 1.47 | -2.41 | 4.62 | 9.32 | 4.37 | -3.05 | -3.65 | -1.88 | -4.88 | -3.83 | -2.67 | 4.55 | 5.69 | 5.29 |
| Standard Error | 3.73 | 3.98 | 1.10 | 3.07 | 3.92 | 1.96 | 2.58 | 4.22 | 1.22 | 3.80 | 3.53 | 2.73 | 3.32 | 2.99 | 2.15 |
| FT Mean | 37.95 | | | 55.11 | | | 36.64 | | | 43.91 | | | 55.35 | | |
| No. of FT Children | 125 | | | 70 | | | 120 | | | 47 | | | 72 | | |
| Matched NFT Site | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

# Table C3-IIIEF-20

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT LANGUAGE PART A
FOR COHORT III ENTERING FIRST SITES
IN THE TERM MODEL

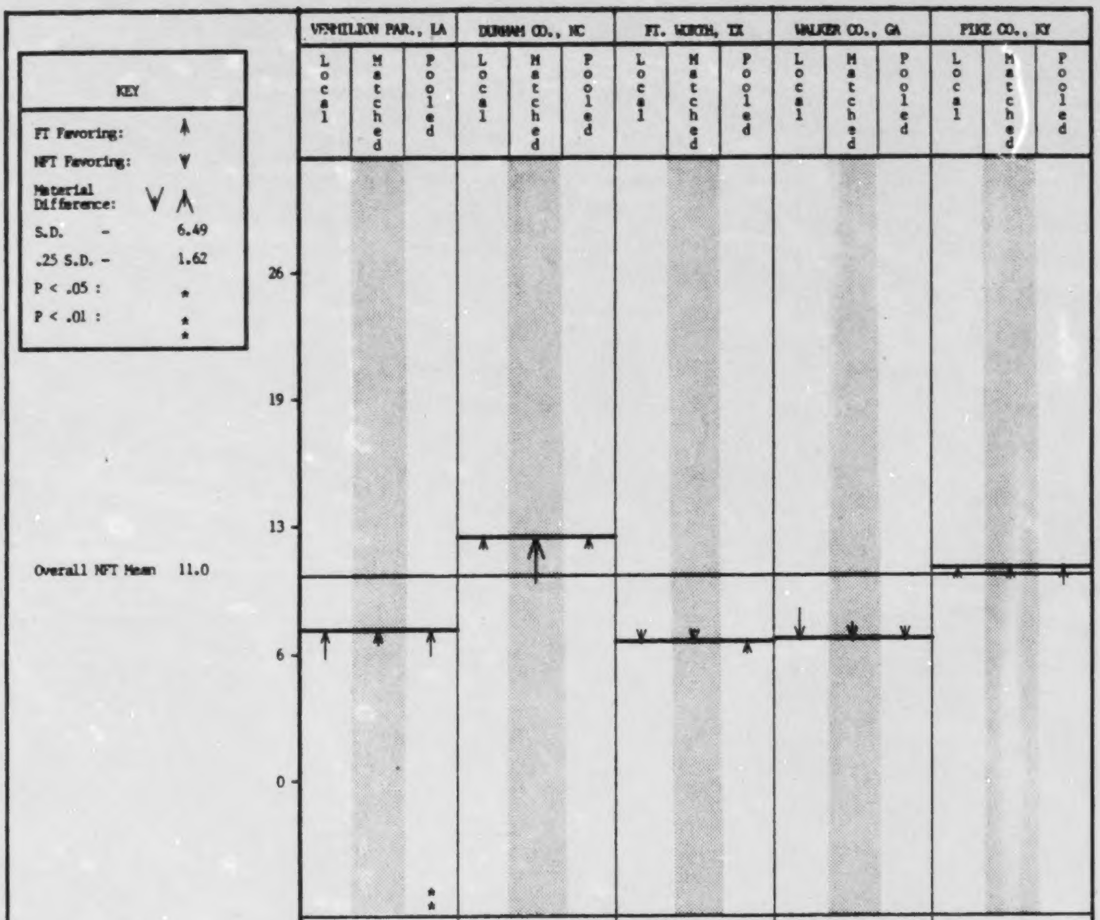


| | VERMILION PAR., LA | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.13 | 0.04 | -0.18 | 0.33 | 1.77 | 0.35 | -0.44 | -0.40 | -0.24 | -0.49 | 0.00 | -0.18 | 0.24 | 0.13 | 0.29 |
| Standard Error | 0.73 | 0.83 | 0.25 | 0.60 | 0.72 | 0.37 | 0.50 | 0.90 | 0.28 | 0.74 | 0.65 | 0.47 | 0.65 | 0.54 | 0.37 |
| FT Mean | 5.74 | | | 9.20 | | | 5.67 | | | 7.43 | | | 8.79 | | |
| No. of FT Children | 125 | | | 70 | | | 120 | | | 47 | | | 72 | | |
| Matched NFT Site | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

536

## Table C3-IIIEF-21

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT III ENTERING FIRST SITES IN THE TEEM MODEL



| | VERMILION PAR., LA Local | Matched | Pooled | DURHAM CO., NC Local | Matched | Pooled | FT. WORTH, TX Local | Matched | Pooled | WALKER CO., GA Local | Matched | Pooled | PIKE CO., KY Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 1.52 | 0.47 | 1.37 | 0.01 | 2.22 | 0.01 | -0.02 | -0.43 | 0.13 | -1.53 | -0.86 | -0.28 | 0.43 | 0.52 | 0.97 |
| Standard Error | 1.30 | 1.40 | 0.36 | 1.07 | 1.50 | 0.80 | 0.90 | 1.39 | 0.33 | 1.33 | 1.30 | 1.01 | 1.16 | 0.98 | 0.61 |
| FT Mean | 7.90 | | | 12.54 | | | 7.25 | | | 7.38 | | | 11.03 | | |
| No. of FT Children | 125 | | | 70 | | | 120 | | | 47 | | | 72 | | |
| Matched NFT Site | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

537

## Table C3-IIIEF-22

## STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III ENTERING FIRST SITES IN THE TERM MODEL

| | | SPONSOR'S SITES | | | VERMILION PAR , LA | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAT NORM POPULATION | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 61 | 50.6 | 54.9 | — | 45.8 | 52.5 | 51.8 | 55.5 | 60.3 | 52.6 | 46.7 | 51.8 | — | 48.8 | 53.6 | — | 56.3 | 56.4 | — |
| Median Percentile | 50 | 20.0 | 30.0 | 24.0 | 9.0 | 24.0 | 22.0 | 34.0 | 46.0 | 24.0 | 10.0 | 22.0 | 22.0 | 14.0 | 28.0 | 28.0 | 34.0 | 34.0 | 34.0 |
| Grade Equivalent | 3.5 | 2.5 | 2.9 | 2.7 | 2.2 | 2.7 | 2.6 | 3.0 | 3.4 | 2.7 | 2.2 | 2.6 | 2.6 | 2.4 | 2.8 | 2.8 | 3.0 | 3.0 | 3.0 |
| 1 Year or More Below Grade Level | 20 | 56.3 | 37.5 | — | 77.6 | 41.3 | 49.0 | 40.0 | 26.9 | 45.6 | 71.7 | 49.0 | — | 61.7 | 44.8 | — | 30.6 | 25.4 | — |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 59.8 | 63.3 | — | 55.2 | 60.5 | 60.1 | 65.5 | 65.9 | 58.2 | 52.5 | 60.1 | — | 60.3 | 65.8 | — | 65.5 | 64.1 | — |
| Median Percentile | 50 | 18.0 | 26.0 | 23.0 | 10.0 | 20.0 | 18.0 | 34.0 | 34.0 | 14.0 | 8.0 | 18.0 | 18.0 | 18.0 | 34.0 | 34.0 | 34.0 | 28.0 | 28.0 |
| Grade Equivalent | 3.75 | 3.0 | 3.2 | 3.1 | 2.5 | 3.0 | 3.0 | 3.4 | 3.4 | 2.8 | 2.4 | 3.0 | 3.0 | 3.0 | 3.4 | 3.4 | 3.4 | 3.2 | 3.2 |
| 1 Year or More Below Grade Level | 12 | 42.8 | 30.9 | — | 59.2 | 37.0 | 40.6 | 30.0 | 31.7 | 38.6 | 60.0 | 40.6 | — | 42.6 | 28.4 | — | 22.2 | 16.9 | — |
| SPELLING | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 64 | 51.6 | 58.4 | — | 45.1 | 55.5 | 55.6 | 57.9 | 62.9 | 59.0 | 42.3 | 55.6 | — | 51.2 | 57.8 | — | 61.5 | 60.0 | — |
| Median Percentile | 50 | 18.0 | 32.0 | 32.0 | 8.0 | 26.0 | 26.0 | 32.0 | 48.0 | 36.0 | 4.0 | 26.0 | 26.0 | 16.0 | 32.0 | 32.0 | 44.0 | 38.0 | 38.0 |
| Grade Equivalent | 3.6 | 2.5 | 2.9 | 2.9 | 2.0 | 2.8 | 2.8 | 2.9 | 3.5 | 3.0 | 1.8 | 2.8 | 2.8 | 2.4 | 2.9 | 2.9 | 3.4 | 3.1 | 3.1 |
| 1 Year or More Below Grade Level | 22 | 53.3 | 39.0 | — | 72.0 | 47.8 | 47.6 | 37.1 | 29.8 | 43.9 | 70.0 | 47.6 | — | 59.6 | 40.3 | — | 27.8 | 29.6 | — |
| LANGUAGE | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70 | 58.3 | 59.3 | — | 54.2 | 56.0 | 55.6 | 64.5 | 64.5 | 56.9 | 54.3 | 55.6 | — | 55.8 | 59.6 | — | 62.8 | 60.8 | — |
| Median Percentile | 50 | 22.0 | 23.0 | 22.0 | 12.0 | 18.0 | 18.0 | 38.0 | 38.0 | 20.0 | 12.0 | 18.0 | 18.0 | 18.0 | 26.0 | 26.0 | 32.0 | 28.0 | 28.0 |
| Grade Equivalent | 4.0 | 2.8 | 2.9 | 2.8 | 2.4 | 2.6 | 2.6 | 3.4 | 3.4 | 2.7 | 2.4 | 2.6 | 2.6 | 2.6 | 3.0 | 3.0 | 3.2 | 3.1 | 3.1 |
| 1 Year or More Below Grade Level | 14 | 64.6 | 59.3 | — | 82.4 | 78.3 | 69.2 | 42.9 | 41.4 | 61.4 | 80.8 | 69.2 | — | 72.3 | 58.2 | — | 44.4 | 49.3 | — |
| BEST MATCHED SITE | | | | | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C3-IIIEF-23

### MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES USED IN THE ANALYTIC SAMPLE OF THE COHORT III ENTERING FIRST SITES IN THE TEEM MODEL

| | SPONSOR'S SITES | | | VERMILION PAR., LA | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | | | | | | | | | | | | | |
| Mean | 42.0 | 45.1 | — | 36.3 | 40.0 | 46.9 | 47.4 | 49.1 | 47.0 | 40.8 | 46.9 | — | 43.8 | 45.4 | — | 41.6 | 44.3 | — |
| Standard Deviation | — | — | — | 12.1 | 12.4 | 12.4 | 10.7 | 11.9 | 12.1 | 11.9 | 12.4 | — | 10.2 | 12.8 | — | 10.0 | 11.0 | — |
| HIGHEST OCCUPATION IN HOUSE | | | | | | | | | | | | | | | | | | |
| Mean | 13.7 | 14.2 | — | 13.4 | 13.8 | 12.7 | 14.8 | 15.8 | 14.3 | 13.1 | 12.7 | — | 13.5 | 14.6 | — | 13.5 | 14.0 | — |
| Standard Deviation | — | — | — | 2.1 | 1.9 | 1.3 | 2.2 | 2.4 | 2.2 | 1.6 | 1.3 | — | 1.5 | 2.0 | — | 1.8 | 2.0 | — |
| FAMILY INCOME IN DOLLARS | | | | | | | | | | | | | | | | | | |
| Mean | 4703 | 5793 | — | 3194 | 5733 | 3307 | 6427 | 7610 | 6636 | 3965 | 3307 | — | 5671 | 6765 | — | 4261 | 5552 | — |
| Standard Deviation | — | — | — | 2376 | 2931 | 2646 | 3093 | 2648 | 2615 | 1822 | 2646 | — | 2703 | 2717 | — | 2397 | 2749 | — |
| MISSING INCOME INFORMATION | | | | | | | | | | | | | | | | | | |
| No. Missing | — | — | — | 59 | 1 | 115 | 22 | 36 | 24 | 86 | 115 | — | 6 | 7 | — | 2 | 6 | — |
| Valid Cases | — | — | — | 66 | 45 | 28 | 48 | 68 | 33 | 34 | 28 | — | 41 | 60 | — | 70 | 65 | — |
| ETHNIC MEMBERSHIP/RACE | | | | | | | | | | | | | | | | | | |
| Percent White | 53 | 77 | — | 26 | 85 | 39 | 54 | 76 | 54 | 13 | 39 | — | 72 | 85 | — | 100 | 100 | — |
| Percent Black | 40 | 20 | — | 74 | 15 | 45 | 46 | 24 | 46 | 53 | 45 | — | 28 | 15 | — | 0 | 0 | — |
| SEX Percent Female | 51 | 47 | — | 50 | 26 | 53 | 51 | 49 | 42 | 50 | 53 | — | 43 | 52 | — | 60 | 56 | — |
| ENTRY AGE IN MONTHS | | | | | | | | | | | | | | | | | | |
| Mean | 65.1 | 66.3 | — | 62.6 | 66.1 | 68.9 | 66.3 | 67.0 | 68.1 | 67.5 | 68.9 | — | 65.7 | 64.8 | — | 63.5 | 64.8 | — |
| Standard Deviation | — | — | — | 4.0 | 6.8 | 5.1 | 4.5 | 5.0 | 5.7 | 4.0 | 5.1 | — | 4.9 | 5.6 | — | 4.3 | 5.5 | — |
| FIRST LANGUAGE | | | | | | | | | | | | | | | | | | |
| Percent English | 95 | 97 | — | 100 | 89 | 94 | 100 | 100 | 100 | 74 | 94 | — | 100 | 100 | — | 100 | 100 | — |
| BEST MATCHED SITE | | | | Ft. Worth, TX | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C3-IIIEF-24

## MEANS AND STANDARD DEVIATIONS
## FOR THE OUTCOME MEASURES
## COHORT III ENTERING FIRST SITES
## IN THE TEEM MODEL

| | ALL SITES | | SPONSOR'S SITES | | | VERMILION PAR., LA | | | DURHAM CO., NC | | | FT. WORTH, TX | | | WALKER CO., GA | | | PIKE CO., KY | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | | | | | | | | |
| Mean | 37.22 | 44.67 | 35.93 | 42.61 | — | 28.01 | 35.59 | 38.71 | 42.47 | 50.23 | 38.67 | 29.26 | 38.71 | — | 34.19 | 43.63 | — | 45.71 | 44.92 | — |
| Standard Deviation | | | — | — | — | 12.28 | 14.37 | 20.34 | 20.31 | 21.12 | 18.40 | 13.03 | 20.34 | — | 18.27 | 23.02 | — | 17.92 | 17.24 | — |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | | | | | | | |
| Mean | 50.31 | 53.89 | 45.79 | 50.46 | — | 37.95 | 45.83 | 45.64 | 55.11 | 54.70 | 44.79 | 36.64 | 45.64 | — | 43.91 | 52.60 | — | 55.35 | 53.55 | — |
| Standard Deviation | | | — | — | — | 14.72 | 14.35 | 18.75 | 22.26 | 22.88 | 17.71 | 15.71 | 18.75 | — | 18.80 | 21.58 | — | 20.10 | 18.68 | — |
| LANGUAGE | | | | | | | | | | | | | | | | | | | | |
| Mean | 18.99 | 19.06 | 16.59 | 18.42 | — | 13.64 | 14.74 | 15.93 | 21.74 | 22.94 | 17.09 | 12.92 | 15.93 | — | 14.81 | 18.49 | — | 19.82 | 19.97 | — |
| Standard Deviation | | | — | — | — | 6.11 | 4.82 | 8.65 | 10.08 | 10.83 | 7.66 | 5.41 | 8.65 | — | 7.97 | 10.61 | — | 7.73 | 8.39 | — |
| SPELLING | | | | | | | | | | | | | | | | | | | | |
| Mean | 14.99 | 18.88 | 13.25 | 17.32 | — | 8.76 | 15.13 | 15.90 | 15.81 | 20.81 | 16.67 | 8.03 | 15.90 | — | 13.53 | 16.12 | — | 20.11 | 18.63 | — |
| Standard Deviation | | | — | — | — | 11.32 | 10.08 | 13.59 | 11.73 | 13.02 | 13.35 | 10.77 | 13.59 | — | 13.14 | 13.23 | — | 13.50 | 11.49 | — |
| RAVEN'S PROGRESSIVE MAT. | | | | | | | | | | | | | | | | | | | | |
| Mean | 17.72 | 19.03 | 17.59 | 18.66 | — | 15.22 | 18.39 | 18.42 | 19.41 | 18.86 | 19.51 | 16.78 | 18.42 | — | 18.72 | 19.55 | — | 17.82 | 18.08 | — |
| Standard Deviation | | | — | — | — | 5.04 | 5.52 | 4.90 | 4.50 | 4.81 | 4.69 | 4.33 | 4.90 | — | 4.08 | 5.23 | — | 3.95 | 4.54 | — |
| COOPERSMITH'S SELF-EST. | | | | | | | | | | | | | | | | | | | | |
| Mean | 35.42 | 36.73 | 34.90 | 36.68 | — | 34.11 | 35.22 | 37.23 | 38.13 | 38.89 | 38.54 | 33.52 | 37.23 | — | 33.19 | 35.04 | — | 35.53 | 37.01 | — |
| Standard Deviation | | | — | — | — | 8.21 | 6.69 | 7.09 | 7.32 | 7.18 | 6.25 | 8.21 | 7.09 | — | 7.31 | 7.71 | — | 7.10 | 7.13 | — |
| IARS-LOCUS NEGATIVE | | | | | | | | | | | | | | | | | | | | |
| Mean | 9.79 | 10.42 | 9.83 | 10.36 | — | 10.26 | 10.28 | 10.15 | 11.03 | 10.14 | 10.12 | 8.86 | 10.15 | — | 9.21 | 10.22 | — | 9.79 | 10.97 | — |
| Standard Deviation | | | — | — | — | 2.49 | 2.77 | 2.69 | 2.28 | 2.73 | 2.26 | 3.31 | 2.69 | — | 3.37 | 3.11 | — | 2.95 | 2.67 | — |
| IARS-LOCUS POSITIVE | | | | | | | | | | | | | | | | | | | | |
| Mean | 12.87 | 12.69 | 12.51 | 13.09 | — | 12.16 | 12.83 | 13.10 | 13.51 | 13.44 | 13.23 | 12.33 | 13.10 | — | 11.96 | 13.28 | — | 12.58 | 12.82 | — |
| Standard Deviation | | | — | — | — | 2.93 | 2.18 | 2.53 | 1.57 | 2.19 | 1.98 | 2.67 | 2.53 | — | 3.20 | 2.39 | — | 2.05 | 2.15 | — |
| WORD KNOWLEDGE | | | | | | | | | | | | | | | | | | | | |
| Mean | 20.79 | 25.29 | 20.01 | 23.96 | — | 15.52 | 19.98 | 21.52 | 23.66 | 28.57 | 22.19 | 15.15 | 21.52 | — | 18.91 | 23.88 | — | 26.79 | 25.86 | — |
| Standard Deviation | | | — | — | — | 8.40 | 8.60 | 12.27 | 11.94 | 12.48 | 11.61 | 8.82 | 12.27 | — | 10.95 | 13.09 | — | 11.96 | 10.65 | — |
| READING | | | | | | | | | | | | | | | | | | | | |
| Mean | 16.44 | 19.38 | 15.92 | 18.65 | — | 12.49 | 15.61 | 17.20 | 18.81 | 21.66 | 16.47 | 14.11 | 17.20 | — | 15.28 | 19.75 | — | 18.92 | 19.06 | — |
| Standard Deviation | | | — | — | — | 5.25 | 6.62 | 8.79 | 9.07 | 9.36 | 7.46 | 5.18 | 8.79 | — | 7.88 | 10.55 | — | 7.22 | 7.45 | — |
| MATH COMPUTATIONS | | | | | | | | | | | | | | | | | | | | |
| Mean | 19.70 | 19.93 | 17.56 | 18.43 | — | 15.98 | 18.22 | 16.73 | 20.01 | 18.91 | 17.00 | 14.04 | 16.73 | — | 17.02 | 18.55 | — | 20.75 | 19.73 | — |
| Standard Deviation | | | — | — | — | 7.01 | 5.63 | 6.57 | 8.42 | 7.98 | 6.44 | 6.30 | 6.57 | — | 6.49 | 6.69 | — | 7.27 | 6.98 | — |
| MATH CONCEPTS | | | | | | | | | | | | | | | | | | | | |
| Mean | 16.67 | 18.31 | 15.17 | 17.44 | — | 11.78 | 15.39 | 15.81 | 19.11 | 19.20 | 14.84 | 12.01 | 15.81 | — | 14.02 | 18.81 | — | 18.92 | 18.00 | — |
| Standard Deviation | | | — | — | — | 5.36 | 6.24 | 7.39 | 7.53 | 8.35 | 7.10 | 5.91 | 7.39 | — | 7.51 | 9.24 | — | 7.46 | 7.14 | — |
| MATH PROBLEM SOLVING | | | | | | | | | | | | | | | | | | | | |
| Mean | 13.94 | 15.66 | 13.07 | 14.59 | — | 10.20 | 12.22 | 13.10 | 15.99 | 16.59 | 12.95 | 10.59 | 13.10 | — | 12.87 | 15.24 | — | 15.68 | 15.82 | — |
| Standard Deviation | | | — | — | — | 4.55 | 4.86 | 6.52 | 7.70 | 8.11 | 6.04 | 5.30 | 6.52 | — | 6.56 | 7.64 | — | 7.06 | 6.16 | — |
| LANGUAGE PART A | | | | | | | | | | | | | | | | | | | | |
| Mean | 7.92 | 8.27 | 7.37 | 8.12 | — | 5.74 | 6.65 | 7.20 | 9.20 | 9.47 | 7.18 | 5.67 | 7.20 | — | 7.43 | 8.45 | — | 8.79 | 8.85 | — |
| Standard Deviation | | | — | — | — | 3.05 | 3.13 | 3.56 | 3.78 | 3.49 | 3.00 | 3.13 | 3.56 | — | 3.73 | 3.59 | — | 3.28 | 3.24 | — |
| LANGUAGE PART B | | | | | | | | | | | | | | | | | | | | |
| Mean | 11.07 | 10.79 | 9.22 | 10.29 | — | 7.90 | 8.09 | 8.73 | 12.54 | 13.47 | 9.91 | 7.25 | 8.73 | — | 7.38 | 10.04 | — | 11.03 | 11.13 | - |
| Standard Deviation | | | — | — | — | 4.11 | 3.62 | 6.02 | [illegible] | 8.20 | 5.90 | 3.28 | 6.02 | — | 5.39 | 8.06 | — | 5.70 | 6.06 | — |
| | | | | | | Ft. Worth | | | Goldsboro, NC | | | Ft. Worth, TX | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C3-IIIEF-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-EF LOCAL ANALYSES FOR THE TEEM MODEL

### CODE

**FEW** = Fall Entering WRAT
**NOFEW** = Missing WRAT
**LANG** = First Language
**SEX** = Sex
**NOOCCUP** = Missing Occupation
**INCOME** = Income
**ETH1** = White vs. Black
**ENTAGE** = Entry Age
**OCCUP** = Occupation
**ETH2** = White vs. Other
**NOINC** = Missing Income

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .76619682 | .57321183E-01 |
| NOFEW | .62094905 | 5.7665706 |
| LANG | 6.7156479 | 4.0240877 |
| SEX | 2.2679275 | 1.2840170 |
| NOOCCUP | -4.1381675 | 4.6325783 |
| INCOME | .19575636E-03 | .23349539E-03 |
| ETH1 | 6.4346715 | 1.4082460 |
| ENTAGE | -.55754469 | .13581411 |
| OCCUP | .75492350 | .32164834 |
| ETH2 | -2.2761968 | 2.3375891 |
| NOINC | 3.0000673 | 4.8235593 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .78598479 | .60729125E-01 |
| NOFEW | 2.7520348 | 6.1094132 |
| LANG | 6.2174489 | 4.2633336 |
| SEX | 1.7817968 | 1.3603562 |
| NOOCCUP | -3.3297547 | 4.9080011 |
| INCOME | .42289609E-03 | .24737220E-03 |
| ETH1 | 7.3589009 | 1.4019711 |
| ENTAGE | -.26513750 | .14388873 |
| OCCUP | .81279812 | .34077145 |
| ETH2 | -4.9881268 | 2.4765668 |
| NOINC | 2.8774573 | 5.1103365 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .51907259 | .39914207E-01 |
| NOFEW | 3.3246747 | 4.0154108 |
| LANG | 5.0043827 | 2.8020753 |
| SEX | 3.8562181 | .89409388 |
| NOOCCUP | -1.0908203 | 3.2257829 |
| INCOME | -.35054646E-04 | .16258534E-03 |
| ETH1 | 4.3037249 | .98059774 |
| ENTAGE | -.44173584 | .94570840E-01 |
| OCCUP | .33831699 | .22397198 |
| ETH2 | -3.5081540 | 1.6277231 |
| NOINC | 1.0521963 | 3.3587678 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .31247114 | .27957058E-01 |
| NOFEW | 1.9128053 | 2.8125092 |
| LANG | .59789589 | 1.9626541 |
| SEX | 1.4446273 | .62624917 |
| NOOCCUP | .58076196 | 2.2594311 |
| INCOME | .12624898E-03 | .11387945E-03 |
| ETH1 | 1.5013846 | .68683896 |
| ENTAGE | -.17841568 | .66240137E-01 |
| OCCUP | .45333300 | .15687641 |
| ETH2 | .69188619 | 1.1401641 |
| NOINC | -1.1996123 | 2.3525776 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .15432403 | .15922924E-01 |
| NOFEW | .29560936 | 1.6018628 |
| LANG | .66206150 | 1.1178284 |
| SEX | -1.5180161 | .35667975 |
| NOOCCUP | .12615513 | 1.2868575 |
| INCOME | .54568095E-04 | .64859964E-04 |
| ETH1 | 2.2914066 | .39118862 |
| ENTAGE | -.79556244E-01 | .37727026E-01 |
| OCCUP | .15383254 | .89348859E-01 |
| ETH2 | -1.2215794 | .64934553 |
| NOINC | -.38214961 | 1.3399000 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .17930247 | .28593012E-01 |
| NOFEW | -2.0156445 | 2.8764867 |
| LANG | -1.0978796 | 2.0072006 |
| SEX | .89529650 | .64049467 |
| NOOCCUP | 1.8239611 | 2.3108275 |
| INCOME | .14867831E-04 | .11646902E-03 |
| ETH1 | 1.1428139 | .70246273 |
| ENTAGE | -.14279764 | .67746934E-01 |
| OCCUP | -.96376691E-01 | .16044406 |
| ETH2 | -.71798727 | 1.1460386 |
| NOINC | -2.4280260 | 2.4060928 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .64393832E-01 | .92894456E-02 |
| NOFEW | -.14794666 | .93452790 |
| LANG | .36565795 | .65214188 |
| SEX | .17531367E-01 | .20808722 |
| NOOCCUP | .88439472 | .75075360 |
| INCOME | .54005623E-05 | .37839350E-04 |
| ETH1 | .41323647 | .22821073 |
| ENTAGE | -.12710458E-01 | .22009075E-01 |
| OCCUP | .54482603E-01 | .52126199E-01 |
| ETH2 | -.50223597 | .37882845 |
| NOINC | -.71869233 | .79170389 |

## Table C3-IIIEF-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .58616638E-01 | .10910841E-01 |
| NOFEW | .93026001 | 1.0976420 |
| LANG | .18641105 | .76596782 |
| SEX | -.43513455E-01 | .24440712 |
| NOOCCUP | .43556108 | .89179140 |
| INCOME | .43704135E-04 | .44443894E-04 |
| ETH1 | .40726924 | .26805358 |
| ENTAGE | -.26518762E-01 | .25851633E-01 |
| OCCUP | .58334177E-01 | .61224382E-01 |
| ETH2 | -.51215110 | .44495005 |
| NOINC | -.22075945 | .91814381 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .47979688 | .35176146E-01 |
| NOFEW | .11170364 | 3.5387569 |
| LANG | 3.5031822 | 2.4694518 |
| SEX | 1.5941984 | .78795946 |
| NOOCCUP | -2.3470537 | 2.8428627 |
| INCOME | .91137155E-04 | .14328546E-03 |
| ETH1 | 3.3627307 | .86419478 |
| ENTAGE | -.39109725 | .83344702E-01 |
| OCCUP | .39685853 | .19738513 |
| ETH2 | -.51392945 | 1.4345024 |
| NOINC | 1.8929629 | 2.9600615 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .28639394 | .26208320E-01 |
| NOFEW | .50864541 | 2.6446324 |
| LANG | 3.4124658 | 1.8455046 |
| SEX | .67372916 | .58886847 |
| NOOCCUP | -1.7911137 | 2.1245671 |
| INCOME | .10391921E-03 | .10708286E-03 |
| ETH1 | 3.0719408 | .64584790 |
| ENTAGE | -.16644744 | .62286306E-01 |
| OCCUP | .35806497 | .14751256 |
| ETH2 | -1.7642673 | 1.0720520 |
| NOINC | 1.1161043 | 2.2121598 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .29144428 | .23512791E-01 |
| NOFEW | .92316402 | 2.3654163 |
| LANG | 2.0329842 | 1.6506550 |
| SEX | .51184110 | .52609552 |
| NOOCCUP | -.79115057 | 1.9002539 |
| INCOME | .17174454E-03 | .95776241E-04 |
| ETH1 | 2.5043092 | .57765347 |
| ENTAGE | -.11997153 | .55710076E-01 |
| OCCUP | .34214895 | .13193969 |
| ETH2 | -1.5362386 | .95086454 |
| NOINC | .80682996 | 1.9785931 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .27095510 | .23446949E-01 |
| NOFEW | 1.1888056 | 2.3587974 |
| LANG | 1.9255356 | 1.6460333 |
| SEX | 1.0660268 | .52522084 |
| NOOCCUP | -1.5608843 | 1.8949334 |
| INCOME | .11638202E-03 | .95508101E-04 |
| ETH1 | 2.6010711 | .57603612 |
| ENTAGE | -.56669671E-01 | .55654605E-01 |
| OCCUP | .22796179 | .13156868 |
| ETH2 | -2.0879935 | .95617934 |
| NOINC | 1.1769573 | 1.9730533 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .22338541 | .22473681E-0 |
| NOFEW | .64076515 | 2.2608757 |
| LANG | 2.2508291 | 1.5777075 |
| SEX | .20492893 | .50341926 |
| NOOCCUP | -.96871980 | 1.8162760 |
| INCOME | .13467153E-03 | .91543620E-04 |
| ETH1 | 2.2535206 | .55212523 |
| ENTAGE | -.88476298E-01 | .53248080E-0 |
| OCCUP | .24218739 | .12610735 |
| ETH2 | -1.3530946 | .91648895 |
| NOINC | .89346997 | 1.891153 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .11389256 | .11843105E-01 |
| NOFEW | 1.2546092 | 1.1914287 |
| LANG | .41637958 | .83141566 |
| SEX | .65876783 | .25529020 |
| NOOCCUP | -.30032604 | .95713565 |
| INCOME | .24746834E-04 | .48241352E-04 |
| ETH1 | .80260276 | .29095711 |
| ENTAGE | -.61760036E-01 | .28060496E-01 |
| OCCUP | .11029567 | .66455629E-01 |
| ETH2 | .78100137E-01 | .46296829 |
| NOINC | .14985955 | .99659355 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .19877957 | .2122[illegible] |
| NOFEW | .62873608 | 2.13519[illegible] |
| LANG | -.21848370 | 1.4900[illegible] |
| SEX | .78785945 | .47543[illegible] |
| NOOCCUP | .88118000 | 1.7153[illegible] |
| INCOME | .10150214E-03 | .8645[illegible] |
| ETH1 | .69878187 | [illegible] |
| ENTAGE | -.11605565 | [illegible] |
| OCCUP | .34363733 | .1190[illegible] |
| ETH2 | .61369805 | .8854[illegible] |
| NOINC | -1.3494718 | 1.7[illegible] |

## Table C4-IIIK-1

## ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT III KINDERGARTEN SITES IN THE BANK STREET MODEL

| | | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| BLACK | Percent | 100.0 | 80.7 | 83.3 | 100.0 | 95.2 | 100.0 | 0.0 | 0.0 | 0.0 | 1.9 | 2.1 | 22.2 | 60.0 | 64.3 | 38.1 |
| | Number | 86 | 167 | 15 | 112 | 437 | 93 | 0 | 0 | 0 | 1 | 1 | 12 | 12 | 9 | 16 |
| ORIENTAL | Percent | 0.0 | 2.9 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| PUERTO RICAN | Percent | 0.0 | 14.5 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.1 | 0.0 |
| | Number | 0 | 30 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | 5.6 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 |
| | Number | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| WHITE | Percent | 0.0 | 1.9 | 0.0 | 0.0 | 1.1 | 0.0 | 100.0 | 100.0 | 90.9 | 96.2 | 97.9 | 77.8 | 40.0 | 28.6 | 59.5 |
| | Number | 0 | 4 | 0 | 0 | 5 | 0 | 17 | 25 | 70 | 51 | 47 | 42 | 8 | 4 | 25 |
| OTHER | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| BEST MATCHED SITE | | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK-2

### DISTRIBUTION OF BACKGROUND VARIABLES
### COHORT III KINDERGARTEN CHILDREN
### FOR THE BANK STREET MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE | | | | | | | | | | | | | | | | | | |
| Number | — | — | — | 86 | 207 | 18 | 112 | 459 | 93 | 17 | 25 | 77 | 53 | 48 | 54 | 20 | 14 | 43 |
| FALL KINDERGARTEN WRAT | | | | | | | | | | | | | | | | | | |
| Mean Score | 31.1 | 29.2 | — | 34.9 | 31.1 | 30.3 | 30.7 | 26.9 | 28.2 | 31.9 | 34.7 | 34.3 | 25.6 | 27.6 | 25.2 | 32.4 | 25.9 | 35.8 |
| PERCENT WITH PRESCHOOL | 62 | 37 | — | 66 | 48 | 17 | 57 | 28 | 48 | 53 | 24 | 36 | 53 | 20 | 26 | 80 | 64 | 48 |
| Number Responding | — | — | — | 85 | 163 | 12 | 110 | 372 | 90 | 17 | 25 | 58 | 53 | 45 | 54 | 20 | 14 | 33 |
| CHILDREN'S ETHNICITY | | | | | | | | | | | | | | | | | | |
| Percent Black | 52 | 48 | — | 100 | 81 | 83 | 100 | 95 | 100 | 0 | 0 | 0 | 2 | 2 | 22 | 60 | 64 | 38 |
| Percent White | 47 | 46 | — | 0 | 2 | 0 | 0 | 1 | 0 | 100 | 100 | 91 | 96 | 98 | 78 | 40 | 29 | 60 |
| Percent Other | 0 | 6 | — | 0 | 17 | 17 | 0 | 4 | 0 | 0 | 0 | 9 | 2 | 0 | 0 | 0 | 7 | 2 |
| MEDIAN FAMILY INCOME | 5630 | 6355 | — | 4799 | 5775 | 4500 | 4700 | 5300 | 4500 | 5200 | 9250 | 8100 | 5750 | 6200 | 5080 | 7700 | 5250 | 9800 |
| Number Responding | — | — | — | 54 | 39 | 10 | 31 | 54 | 84 | 17 | 25 | 54 | 37 | 37 | 53 | 19 | 12 | 30 |
| MOTHER'S EDUCATION | | | | | | | | | | | | | | | | | | |
| Percent H.S. Graduates | 57 | 42 | — | 55 | 33 | 40 | 48 | 37 | 29 | 75 | 84 | 71 | 24 | 11 | 52 | 84 | 46 | 55 |
| Number Responding | — | — | — | 55 | 46 | 10 | 29 | 54 | 80 | 16 | 25 | 55 | 37 | 36 | 52 | 19 | 13 | 31 |
| FEMALE HEADS OF HOUSEHOLD | | | | | | | | | | | | | | | | | | |
| Percent | 35 | 34 | — | 34 | 30 | 30 | 61 | 48 | 65 | 24 | 4 | 24 | 35 | 24 | 6 | 21 | 62 | 39 |
| BEST MATCHED SITE | | | | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK-3

## TEACHER BACKGROUND CHARACTERISTICS FOR COHORT III-K IN BANK STREET MODEL

| | New York, NY | | Philadelphia, PA | | Brattleboro, VT | | Fall River, MA | | New Haven, CT | |
|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| YEARS OF ELEMENTARY TEACHING EXPERIENCE | | | | | | | | | | |
| Mean | 5.75 | 8.85 | 12.00 | 7.51 | 15.33 | 27.20 | 4.20 | 6.50 | 6.50 | 12.40 |
| Standard Deviation | 2.87 | 6.06 | 8.39 | 7.20 | 6.51 | 7.19 | 0.83 | 7.13 | 6.36 | 13.46 |
| N | 4 | 20 | 6 | 55 | 3 | 5 | 5 | 8 | 2 | 5 |
| YEARS IN SCHOOL | | | | | | | | | | |
| Mean | 6.00 | 7.80 | 8.16 | 5.57 | 4.66 | 14.20 | 1.80 | 6.12 | 4.00 | 3.80 |
| Standard Deviation | 3.16 | 5.81 | 4.91 | 6.03 | 0.57 | 8.34 | 1.60 | 7.25 | 2.82 | 2.16 |
| N | 4 | 20 | 6 | 54 | 3 | 5 | 5 | 8 | 2 | 5 |
| YEARS IN MODEL | | | | | | | | | | |
| Mean | 3.25 | 2.00 | 3.83 | 1.93 | 4.33 | 0 | 2.50 | 0.50 | 4.50 | .75 |
| Standard Deviation | 0.95 | 3.00 | 0.75 | 5.55 | 1.15 | 0 | 1.65 | 0 | 2.12 | .35 |
| N | 4 | 6 | 6 | 15 | 3 | 0 | 5 | 1 | 2 | 2 |
| TEACHER'S EDUCATION | | | | | | | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 0 | 0 | 0 |
| % with B.A. | 0 | 10.0 | 0 | 32.1 | 33.3 | 25.0 | 40.0 | 37.5 | 50.0 | 0 |
| % Some Graduate | 0 | 25.0 | 66.7 | 53.6 | 0 | 25.0 | 40.0 | 50.0 | 50.0 | 40.0 |
| % M.A. or More | 100.0 | 65.0 | 33.3 | 14.3 | 66.7 | 50.0 | 0 | 12.5 | 0 | 60.0 |
| N | 4 | 20 | 6 | 56 | 3 | 4 | 5 | 8 | 2 | 5 |
| TEACHER'S CERTIFICATION | | | | | | | | | | |
| % None | 0 | 0 | 0 | 0 | 0 | 0 | 20.0 | 0 | 0 | 0 |
| % Temporary | 0 | 10.5 | 16.7 | 30.9 | 0 | 0 | 0 | 0 | 100 | 40.0 |
| % Renewable/Permanent | 100.0 | 89.5 | 83.4 | 69.1 | 100.0 | 100.0 | 80.0 | 100.0 | 0 | 60.0 |
| N | 4 | 19 | 6 | 55 | 3 | 4 | 5 | 8 | 2 | 5 |
| TEACHER'S ETHNICITY | | | | | | | | | | |
| % White | 75.0 | 68.4 | 33.3 | 36.8 | 100.0 | 100.0 | 100.0 | 100.0 | 50.0 | 50.0 |
| % Black | 25.0 | 26.3 | 66.7 | 61.4 | 0 | 0 | 0 | 0 | 50.0 | 20.0 |
| % Spanish Surname | 0 | 5.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Other | 0 | 0 | 0 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 |
| N | 4 | 19 | 6 | 57 | 3 | 5 | 5 | 8 | 2 | 5 |
| AGE IN YEARS | | | | | | | | | | |
| Mean | 27.50 | 36.15 | 37.00 | 33.53 | 46.66 | 53.20 | 27.00 | [illegible] | 28.50 | 36.00 |
| Standard Deviation | 2.64 | 11.21 | 14.24 | 10.91 | 4.50 | 3.83 | 2.55 | [illegible].15 | 6.36 | 13.47 |
| N | 4 | 19 | 6 | 54 | 3 | 5 | 5 | 8 | 2 | 5 |

Table C4-IIIK-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1975) FOR THE COHORT III KINDERGARTEN SITES IN THE BANK STREET MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 47.3 | 50.9 | — | 46.9 | 52.6 | 53.3 | 56.1 | 51.5 | 51.1 | 43.3 | 51.6 | 52.3 | 45.6 | 43.1 | 41.3 | 44.7 | 55.4 | 46.6 |
| Number | 5 | 5 | — | 4 | 20 | 1 | 6 | 57 | 15 | 3 | 5 | 9 | 5 | 8 | 11 | 2 | 4 | 9 |
| Local Mean Difference | -3.5 | — | — | -5.8 | — | — | 4.6 | — | — | -8.2 | — | — | — | — | — | -10.7 | — | — |
| Best Match Mean Difference | — | — | — | -6.4 | — | — | 5.0 | — | — | -9.0 | — | — | 4.3 | — | — | — | — | — |
| FLEXIBLE CLASSROOM | 53.7 | 46.7 | — | 49.6 | 47.6 | 55.2 | 54.6 | 45.5 | 47.4 | 56.4 | 47.1 | 46.2 | 50.8 | 49.2 | 51.2 | 57.0 | 44.1 | 49.8 |
| Number | 5 | 5 | — | 4 | 20 | 1 | 6 | 57 | 15 | 3 | 5 | 9 | 5 | 8 | 11 | 2 | 4 | 9 |
| Local Mean Difference | 7.0 | — | — | — | — | — | 9.0 | — | — | 9.4 | — | — | — | — | — | 12.9 | — | — |
| Best Match Mean Difference | — | — | — | -5.5 | — | — | 7.2 | — | — | 10.3 | — | — | — | — | — | 7.2 | — | — |
| INDIVIDUALIZATION | 56.8 | 45.3 | — | 56.5 | 44.8 | 48.4 | 48.4 | 41.5 | 45.4 | 50.0 | 45.6 | 47.4 | 62.3 | 48.4 | 50.1 | 67.0 | 45.9 | 52.5 |
| Number | 5 | 5 | — | 4 | 20 | 1 | 6 | 57 | 16 | 3 | 5 | 9 | 5 | 8 | 11 | 2 | 5 | 9 |
| Local Mean Difference | 11.6 | — | — | 11.7 | — | — | 6.9 | — | — | 4.3 | — | — | 13.9 | — | — | 21.1 | — | — |
| Best Match Mean Difference | — | — | — | 8.1 | — | — | 3.0 | — | — | 2.6 | — | — | 12.2 | — | — | 14.4 | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 51.4 | 48.6 | — | 55.9 | 50.3 | — | 52.0 | 48.6 | 50.4 | 59.3 | 45.1 | 50.3 | 42.5 | 54.7 | 51.0 | 47.5 | 44.5 | 44.3 |
| Number | 5 | 5 | — | 4 | 18 | 0 | 6 | 57 | 16 | 3 | 5 | 9 | 5 | 8 | 11 | 2 | 5 | 9 |
| Local Mean Difference | 2.8 | — | — | 5.6 | — | — | 3.4 | — | — | 14.1 | — | — | -12.2 | — | — | 3.0 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | 9.0 | — | — | -8.6 | — | — | 3.2 | — | — |
| SATISFACTION WITH SPONSOR | 51.2 | 45.1 | — | 48.4 | 48.0 | — | 46.5 | 49.0 | 49.9 | 55.3 | 41.6 | 44.7 | 49.1 | 40.3 | 46.7 | 56.8 | 46.6 | 44.7 |
| Number | 5 | 5 | — | 4 | 7 | 0 | 6 | 32 | 8 | 3 | 5 | 5 | 5 | 7 | 4 | 2 | 1 | 5 |
| Local Mean Difference | 6.1 | — | — | — | — | — | -2.5 | — | — | 13.7 | — | — | 8.8 | — | — | 10.3 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -3.4 | — | — | 10.6 | — | — | — | — | — | 12.1 | — | — |
| BEST MATCHED SITE | | | | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK-5

STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1975)
FOR THE COHORT III KINDERGARTEN SITES
IN THE BANK STREET MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 49.4 | 49.8 | — | 51.7 | 51.9 | 45.9 | 50.1 | 50.9 | 48.6 | 51.4 | 54.2 | 54.2 | 45.0 | 40.5 | 53.1 | 48.7 | 51.3 | 51.5 |
| Number | 5 | 5 | — | 35 | 125 | 13 | 19 | 133 | 70 | 12 | 17 | 34 | 34 | 32 | 26 | 18 | 14 | 27 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | -2.8 | — | — | 4.4 | — | — | -2.6 | — | — |
| Best Match Mean Difference | — | — | — | 5.8 | — | — | — | — | — | -2.8 | — | — | -8.2 | — | — | -2.8 | — | — |
| SCHOOL HELPED CHILD | 54.0 | 49.3 | — | 55.3 | 49.2 | 42.9 | 47.9 | 47.2 | 46.5 | 57.9 | 54.3 | 47.6 | 56.5 | 50.2 | 50.3 | 52.2 | 45.7 | 49.1 |
| Number | 5 | 5 | — | 35 | 124 | 13 | 19 | 133 | 70 | 12 | 17 | 34 | 33 | 32 | 28 | 18 | 14 | 27 |
| Local Mean Difference | 4.7 | — | — | 6.1 | — | — | — | — | — | 3.6 | — | — | 6.4 | — | — | 6.5 | — | — |
| Best Match Mean Difference | — | — | — | 12.4 | — | — | — | — | — | 10.3 | — | — | 6.2 | — | — | 3.1 | — | — |
| PAC INVOLVEMENT | 57.1 | 44.2 | — | 54.3 | 45.2 | 45.9 | 56.6 | 45.2 | 44.6 | 57.0 | 44.4 | 47.0 | 57.4 | 42.3 | 41.9 | 60.4 | 43.8 | 46.4 |
| Number | 5 | 5 | — | 31 | 99 | 13 | 17 | 128 | 63 | 11 | 17 | 31 | 33 | 31 | 24 | 18 | 13 | 27 |
| Local Mean Difference | 13.0 | — | — | 9.0 | — | -- | 11.4 | — | — | 12.6 | — | — | 15.1 | — | — | 16.7 | — | — |
| Best Match Mean Difference | — | — | — | 8.4 | — | — | 12.0 | — | — | 10.0 | — | — | 15.5 | — | — | 14.1 | — | — |
| CHILD READS AT HOME | 49.7 | 50.3 | — | 54.3 | 52.6 | 52.7 | 50.3 | 50.3 | 50.5 | 50.3 | 50.5 | 52.1 | 46.3 | 45.5 | 51.1 | 47.2 | 52.6 | 50.8 |
| Number | 5 | 5 | — | 35 | 125 | 13 | 19 | 133 | 70 | 12 | 17 | 34 | 34 | 32 | 28 | 19 | 14 | 27 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | -5.4 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | -4.3 | — | — | -3.6 | — | — |
| CHILD'S PROG IN SCHOOL | 52.5 | 49.9 | — | 56.1 | 50.6 | 49.0 | 46.8 | 47.8 | 48.8 | 54.8 | 51.8 | 50.6 | 51.3 | 49.5 | 48.3 | 53.5 | 49.6 | 51.2 |
| Number | 5 | 5 | — | 35 | 125 | 13 | 19 | 133 | 70 | 12 | 17 | 34 | 34 | 32 | 28 | 18 | 14 | 27 |
| Local Mean Difference | 2.6 | — | — | 5.4 | — | — | — | — | — | 3.0 | — | — | — | — | — | 3.8 | — | — |
| Best Match Mean Difference | — | — | — | 7.1 | — | — | — | — | — | 4.2 | — | — | 3.0 | — | — | — | — | — |
| CHILD READ TO AT HOME | 51.3 | 49.6 | — | 53.7 | 51.8 | 51.5 | 52.1 | 52.0 | 51.6 | 47.0 | 53.3 | 52.2 | 48.6 | 44.3 | 50.7 | 55.3 | 46.4 | 51.2 |
| Number | 5 | 5 | — | 35 | 125 | 13 | 19 | 133 | 70 | 12 | 17 | 34 | 34 | 32 | 28 | 18 | 14 | 27 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | -6.4 | — | — | 4.4 | — | — | 8.9 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | -5.2 | — | — | — | — | — | 4.1 | — | — |
| PARENT VISITS TO SCHOOL | 51.8 | 49.2 | — | 50.0 | 50.7 | 48.5 | 54.7 | 49.6 | 48.4 | 53.2 | 49.3 | 49.1 | 48.0 | 46.9 | 45.1 | 53.2 | 49.7 | 48.6 |
| Number | 5 | 5 | — | 35 | 125 | 13 | 19 | 133 | 70 | 12 | 17 | 34 | 34 | 32 | 28 | 18 | 14 | 27 |
| Local Mean Difference | 2.6 | — | — | — | — | — | 5.2 | — | — | 3.9 | — | — | — | — | — | 3.5 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 6.3 | — | — | 4.1 | — | — | 2.9 | — | — | 4.6 | — | — |
| CHILD'S EMOT ADJUST | 51.2 | 48.5 | — | 55.4 | 51.5 | 44.8 | 50.9 | 49.5 | 48.0 | 52.0 | 45.9 | 43.7 | 48.1 | 48.1 | 48.6 | 49.6 | 47.4 | 45.4 |
| Number | 5 | 5 | — | 35 | 124 | 13 | 19 | 133 | 70 | 12 | 16 | 34 | 34 | 32 | 28 | 18 | 14 | 27 |
| Local Mean Difference | 2.8 | — | — | 4.0 | — | — | — | — | — | 6.1 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 10.7 | — | — | 3.0 | — | — | 8.3 | — | — | — | — | — | 4.2 | — | — |
| SCH HELPED WITH CHILD | 55.0 | 46.1 | — | 55.4 | 49.3 | 44.4 | 55.4 | 48.8 | 48.5 | 54.4 | 49.0 | 44.1 | 54.8 | 40.7 | 43.5 | 54.9 | 42.6 | 48.4 |
| Number | 5 | 5 | — | 35 | 124 | 13 | 19 | 133 | 70 | 12 | 17 | 34 | 33 | 32 | 28 | 19 | 14 | 27 |
| Local Mean Difference | 8.9 | — | — | 6.1 | — | — | 6.6 | — | — | 5.4 | — | — | 14.1 | — | — | 12.3 | — | — |
| Best Match Mean Difference | — | — | — | 11.0 | — | — | 6.9 | — | — | 10.3 | — | — | 11.4 | — | — | 6.6 | — | — |
| SCHOOL'S RECEPTIVITY | 53.4 | 49.7 | — | 54.5 | 51.7 | 49.8 | 49.7 | 47.1 | 48.0 | 55.2 | 56.2 | 48.5 | 51.7 | 48.0 | 47.5 | 55.8 | 45.5 | 47.9 |
| Number | 5 | 5 | — | 35 | 124 | 13 | 19 | 132 | 70 | 12 | 17 | 34 | 34 | 31 | 28 | 18 | 14 | 27 |
| Local Mean Difference | 3.7 | — | — | 2.8 | — | — | 2.7 | — | — | — | — | — | 3.7 | — | — | 10.3 | — | — |
| Best Match Mean Difference | — | — | — | 4.8 | — | — | — | — | — | 6.7 | — | — | 4.2 | — | — | 7.9 | — | — |
| PARENT LOCUS | 47.0 | 49.8 | — | 51.0 | 49.8 | 50.7 | 50.1 | 50.7 | 53.9 | 41.5 | 42.5 | 46.9 | 49.0 | 54.3 | 48.2 | 43.5 | 51.7 | 48.1 |
| Number | 5 | 5 | — | 35 | 125 | 13 | 19 | 132 | 70 | 12 | 17 | 34 | 34 | 32 | 28 | 18 | 14 | 27 |
| Local Mean Difference | -2.8 | — | — | — | — | — | — | — | — | — | — | — | -5.3 | — | — | -8.2 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -3.8 | — | — | -5.4 | — | — | — | — | — | -4.6 | — | — |
| SCH HELPED PERSONALLY | 53.5 | 47.1 | — | 49.9 | 46.8 | 45.7 | 53.0 | 49.1 | 48.7 | 51.2 | 45.7 | 47.0 | 56.6 | 45.5 | 44.2 | 56.8 | 48.5 | 47.1 |
| Number | 5 | 5 | — | 35 | 125 | 13 | 19 | 133 | 70 | 12 | 17 | 34 | 34 | 32 | 28 | 18 | 14 | 27 |
| Local Mean Difference | 6.4 | — | — | 3.0 | — | — | 3.9 | — | — | 5.5 | — | — | 11.1 | — | — | 8.3 | — | — |
| Best Match Mean Difference | — | — | — | 4.2 | — | — | 4.3 | — | — | 4.2 | — | — | 12.3 | — | — | 9.6 | — | — |
| PARENT-CHILD INTERACTION | 51.1 | 48.4 | — | 54.5 | 54.1 | 53.7 | 57.1 | 51.6 | 52.8 | 48.6 | 49.0 | 49.9 | 46.1 | 39.2 | 48.0 | 49.2 | 48.2 | 50.7 |
| Number | 5 | 5 | — | 35 | 125 | 13 | 19 | 133 | 70 | 12 | 17 | 34 | 34 | 32 | 28 | 18 | 14 | 27 |
| Local Mean Difference | 2.7 | — | — | — | — | — | 5.5 | — | — | — | — | — | 6.8 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 4.3 | — | — | — | — | — | — | — | — | — | — | — |
| BEST MATCHED SITE | | | | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK-6

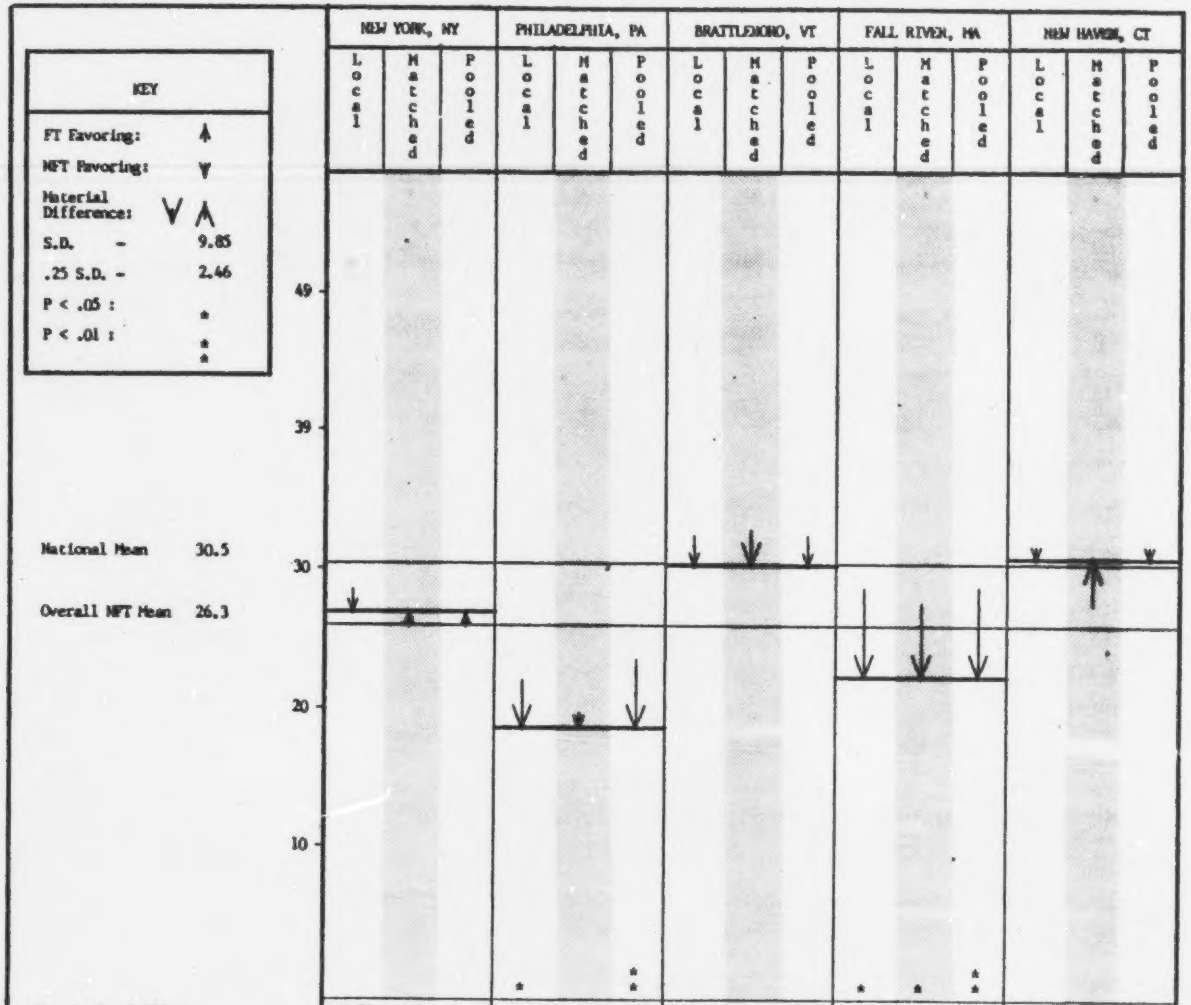
## PROPORTION OF ATTRITION AND DESCRIPTIVE INFOMATION FOR BANK STREET MODEL

| | | New York, NY | | Philadelphia, PA | | Brattleboro, VT | | Fall River MA | | New Haven CT | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| **NUMBER** | | | | | | | | | | | |
| **Total Registration** | N | 156 | 764 | 229 | 1686 | 57 | 50 | 138 | 138 | 60 | 68 |
| **Children Retained (Analytic Sample)** | N | 86 | 207 | 112 | 459 | 17 | 25 | 53 | 48 | 20 | 14 |
| **Children Not Retained (Program and Sample Attrition)** | N | 70 | 557 | 117 | 1227 | 40 | 25 | 85 | 90 | 40 | 54 |
| | %* | 45 | 73 | 51 | 73 | 70 | 50 | 62 | 65 | 67 | 79 |
| **Children Not Retained (Sample Attrition)** | N | 8 | 90 | 5 | 252 | 6 | 1 | 1 | 14 | 1 | 17 |
| | %* | 5 | 12 | 2 | 15 | 11 | 2 | 1 | 10 | 2 | 25 |
| WRAT | | | | | | | | | | | |
| Total Registration | Mean | 31.3 | 31.5 | 27.6 | 26.5 | 24.8 | 35.4 | 22.5 | 28.8 | 31.1 | 25.5 |
| | Standard Deviation | 12.6 | 13.7 | 13.0 | 12.1 | 14.0 | 14.9 | 11.5 | 12.3 | 11.8 | 11.4 |
| | Number | 140 | 669 | 188 | 1439 | 54 | 45 | 123 | 117 | 60 | 59 |
| Children Retained (Analytic Sample) | Mean | 34.9 | 31.1 | 30.6 | 26.9 | 31.9 | 34.7 | 25.6 | 27.6 | 32.3 | 25.9 |
| | Standard Deviation | 12.4 | 12.4 | 13.2 | 11.4 | 14.4 | 11.6 | 10.8 | 11.7 | 11.2 | 12.9 |
| | Number | 80 | 198 | 100 | 438 | 17 | 24 | 49 | 45 | 20 | 14 |
| Children Not Retained (Program and Sample Attrition) | Mean | 26.4 | 31.7 | 24.1 | 26.3 | 2.15 | 36.3 | 20.4 | 29.6 | 30.6 | 25.4 |
| | Standard Deviation | 11.2 | 14.2 | 11.8 | 12.3 | 12.7 | 18.2 | 11.6 | 12.6 | 12.2 | 11.1 |
| | Number | 60 | 471 | 88 | 1001 | 37 | 21 | 74 | 72 | 40 | 45 |
| Children Not Retained (Sample Attrition) | Mean | 23.3 | 29.3 | 4.0 | 27.5 | 23.8 | 55.0 | 0 | 30.6 | 23.0 | 24.2 |
| | Standard Deviation | 12.8 | 15.5 | 6.5 | 12.2 | 8.4 | 0 | 0 | 15.1 | 0 | 10.2 |
| | Number | 8 | 89 | 5 | 244 | 6 | 1 | 1 | 14 | 1 | 16 |
| INCOME | | | | | | | | | | | |
| Total Registration | Mean | 5069 | 5934 | 4303 | 5605 | 5700 | 7774 | 5847 | 6500 | 7288 | 5646 |
| | Standard Deviation | 2709 | 2509 | 2545 | 2648 | 2742 | 2392 | 2524 | 2473 | 2797 | 3198 |
| | Number | 90 | 216 | 62 | 232 | 56 | 47 | 94 | 103 | 52 | 59 |
| Children Retained (Analytic Sample) | Mean | 4942 | 6090 | 4797 | 5407 | 5647 | 6440 | 6124 | 6138 | 6989 | 5651 |
| | Standard Deviation | 2770 | 2255 | 2648 | 2789 | 2688 | 2101 | 2653 | 2625 | 2918 | 3511 |
| | Number | 54 | 39 | 31 | 54 | 17 | 25 | 37 | 37 | 19 | 12 |
| Children Not Retained (Program and Sample Attrition) | Mean | 5261 | 5900 | 3810 | 5665 | 5723 | 7018 | 5667 | 6703 | 7460 | 5644 |
| | Standard Deviation | 2643 | 2566 | 2378 | 2608 | 2800 | 2522 | 2444 | 2381 | 2756 | 3154 |
| | Number | 36 | 177 | 31 | 177 | 39 | 22 | 57 | 66 | 33 | 47 |
| Children Not Retained (Sample Attrition) | Mean | 6259 | 5881 | 3200 | 5855 | 4766 | 6800 | -- | 6489 | 6800 | 6306 |
| | Standard Deviation | 2188 | 2489 | 0 | 2538 | 1809 | 0 | -- | 2357 | 0 | 3159 |
| | Number | 5 | 58 | 1 | 58 | 6 | 1 | 0 | 10 | 1 | 16 |

*Percent of Total Registration.

## Table C4-IIIK-7

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT WORD KNOWLEDGE FOR COHORT III KINDERGARTEN SITES IN THE BANK STREET MODEL



| | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | | | * | | ** | | | | * | * | ** | | | |
| Magnitude of Effect | -1.74 | 0.41 | 0.47 | -3.43 | -0.87 | -4.89 | -2.33 | -2.53 | -2.30 | -6.31 | -5.31 | -6.40 | -0.59 | 3.30 | -0.05 |
| Standard Error | 2.13 | 2.84 | 0.89 | 1.65 | 2.05 | 0.93 | 4.85 | 3.11 | 2.35 | 3.11 | 2.22 | 1.22 | 5.40 | 3.13 | 2.03 |
| FT Mean | 26.85 | | | 18.77 | | | 30.12 | | | 22.36 | | | 30.75 | | |
| No. of FT Children | 86 | | | 112 | | | 17 | | | 53 | | | 20 | | |
| Matched NFT Site | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK-8

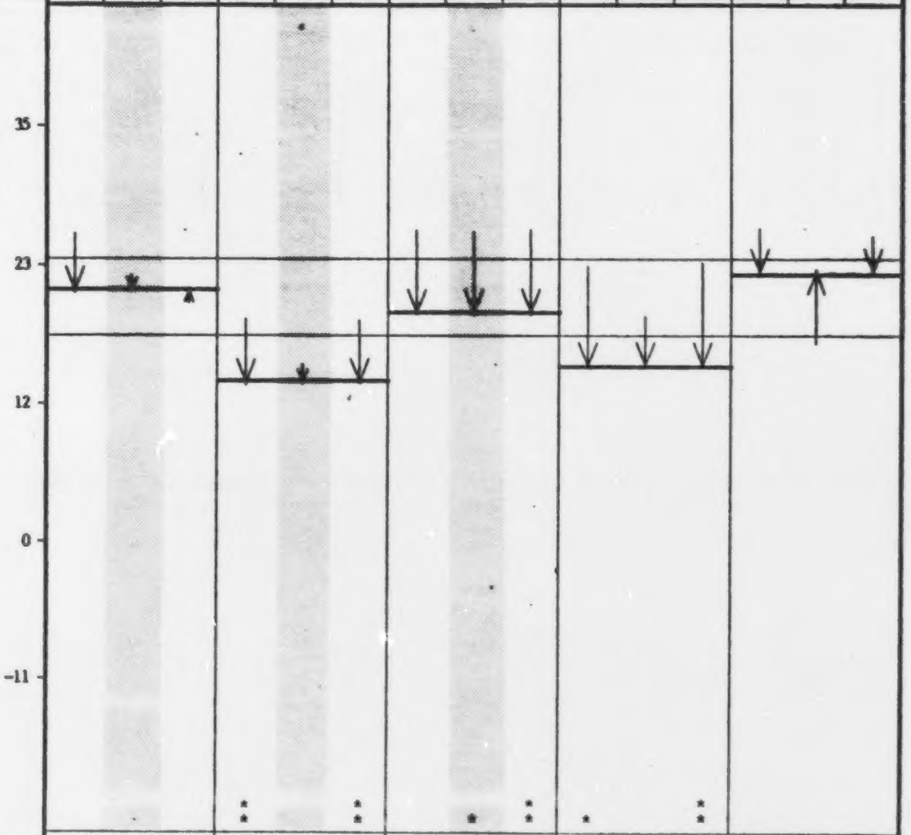
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT SPELLING FOR COHORT III KINDERGARTEN SITES IN THE BANK STREET MODEL

**KEY**

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ⇓ ⇑
S.D. - 11.60
.25 S.D. - 2.90
P < .05 : *
P < .01 : **

National Mean 24.0

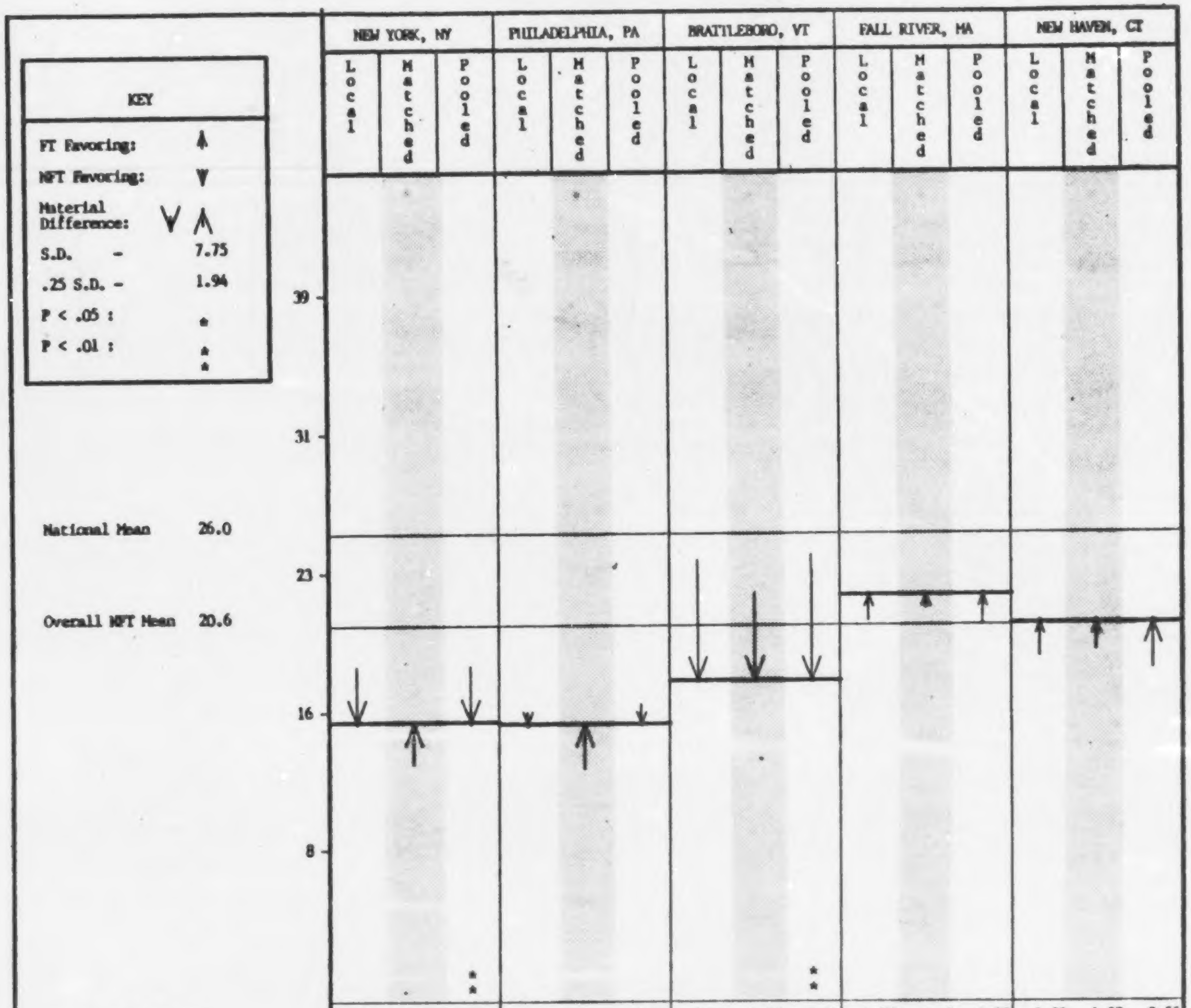
Overall NFT Mean 18.4



| | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | | | ** | | ** | | * | ** | * | | ** | | | |
| Magnitude of Effect | -4.76 | -1.03 | 0.22 | -5.41 | -1.34 | -5.03 | -6.95 | -6.67 | -6.88 | -8.37 | -3.93 | -8.48 | -3.66 | 5.93 | -3.05 |
| Standard Error | 2.67 | 3.82 | 1.24 | 2.07 | 2.54 | 0.93 | 6.10 | 3.24 | 2.14 | 3.91 | 2.68 | 1.43 | 6.79 | 3.77 | 2.47 |
| FT Mean | 21.56 | | | 13.92 | | | 19.59 | | | 15.25 | | | 22.85 | | |
| No. of FT Children | 86 | | | 112 | | | 17 | | | 53 | | | 20 | | |
| Matched NFT Site | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK-9

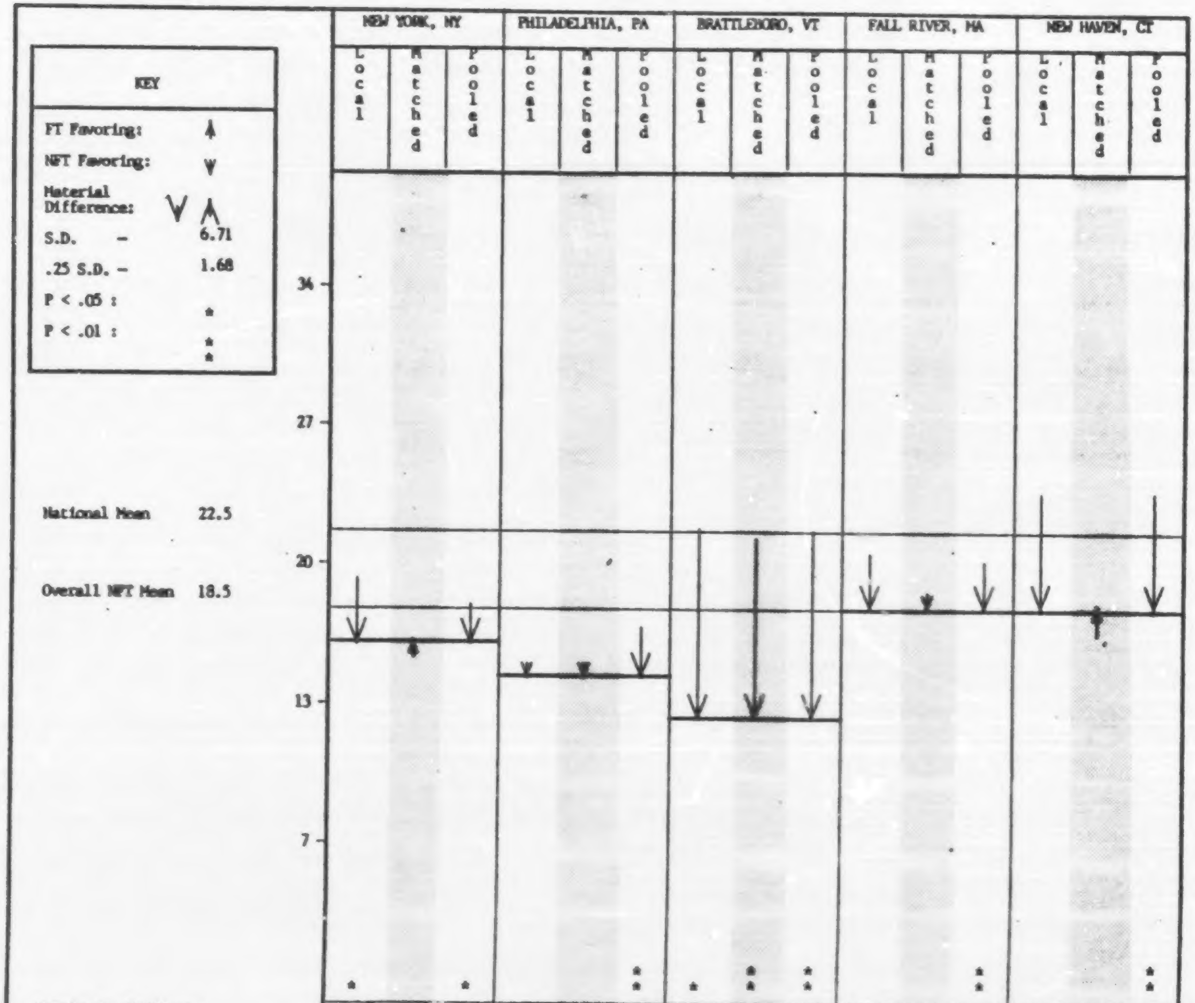
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT
### ON THE MAT LANGUAGE
### FOR COHORT III KINDERGARTEN SITES
### IN THE BANK STREET MODEL



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -3.19 | 2.18 | -3.29 | -0.63 | 2.44 | -1.10 | -6.77 | -4.85 | -7.02 | 1.55 | 0.42 | 1.85 | 1.83 | 1.57 | 2.55 |
| Standard Error | 1.72 | 2.20 | 0.70 | 1.34 | 1.52 | 0.81 | 3.93 | 3.06 | 1.86 | 2.52 | 2.01 | 1.11 | 4.38 | 2.77 | 1.65 |
| FT Mean | 15.08 | | | 14.99 | | | 17.47 | | | 22.25 | | | 20.55 | | |
| No. of FT Children | 86 | | | 112 | | | 17 | | | 53 | | | 20 | | |
| Matched NFT Site | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK-10

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT MATHEMATICS COMPUTATIONS
FOR COHORT III KINDERGARTEN SITES
IN THE BANK STREET MODEL



| | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -3.18 | 0.40 | -1.94 | -0.27 | -0.13 | -2.37 | -9.06 | -8.60 | -8.96 | -2.55 | -0.76 | -2.17 | -5.47 | 1.45 | -5.43 |
| Standard Error | 1.54 | 2.38 | 0.77 | 1.19 | 1.35 | 0.55 | 3.52 | 2.00 | 1.32 | 2.26 | 1.51 | 0.75 | 3.92 | 2.34 | 1.41 |
| FT Mean | 16.78 | | | 15.23 | | | 13.24 | | | 18.47 | | | 18.50 | | |
| No. of FT Children | 86 | | | 112 | | | 17 | | | 53 | | | 20 | | |
| Matched NFT Site | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK-11

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE RAVEN S PROGRESSIVE MATRICES
FOR COHORT III KINDERGARTEN SITES
IN THE BANK STREET MODEL

KEY

FT Favoring: ↑

NFT Favoring: ↓

Material Difference: ⋁ ⋀

S.D. - 4.38

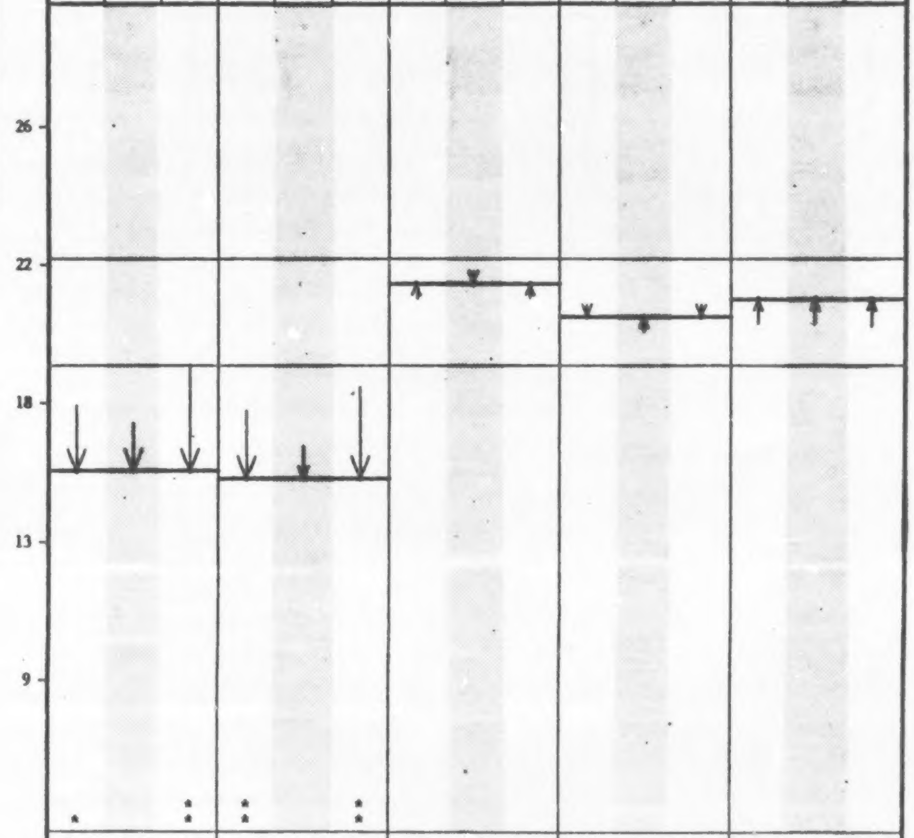
.25 S.D. - 1.09

P < .05 : *

P < .01 : **

National Mean 22.3

Overall NFT Mean 19.0

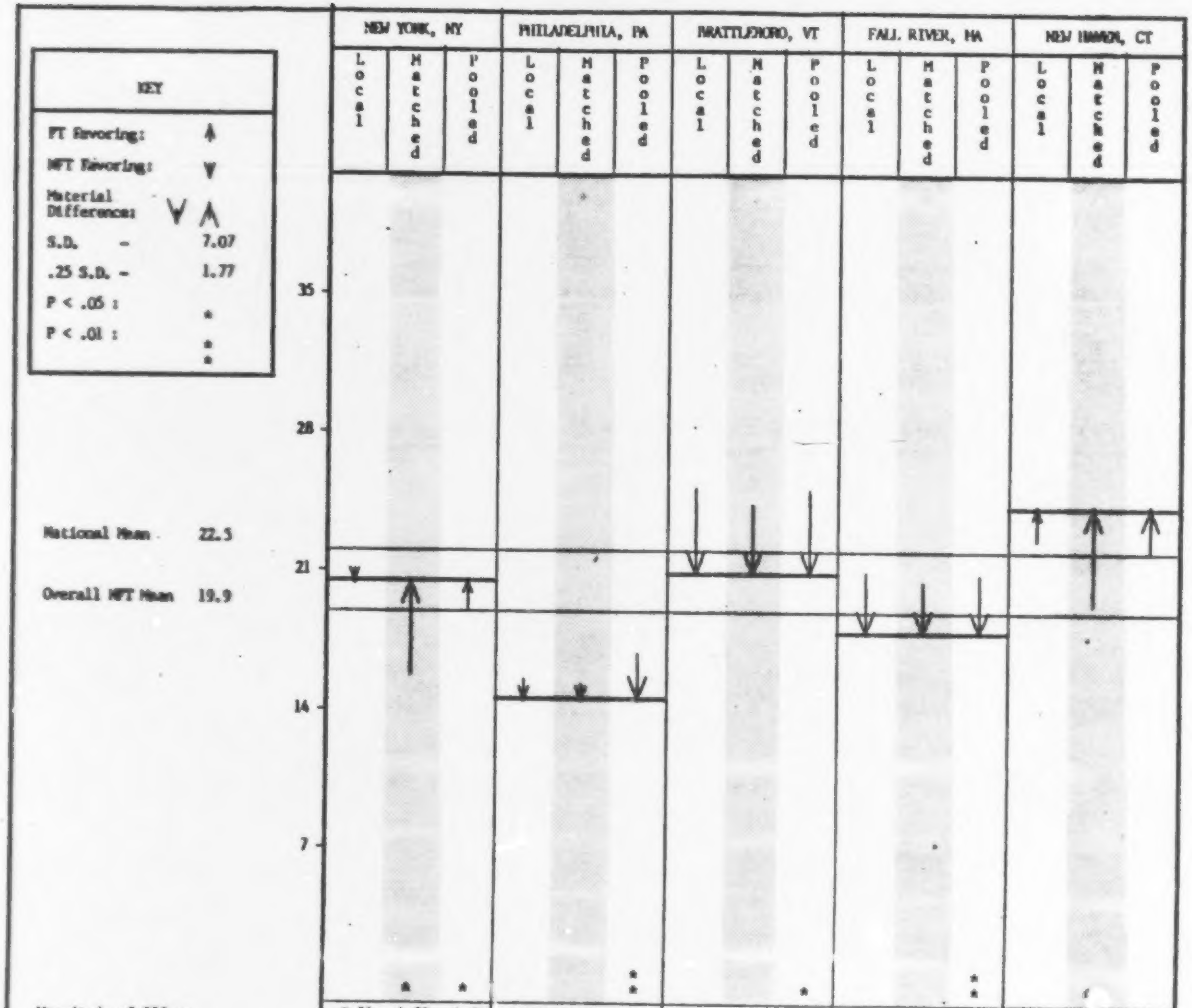


| | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -2.07 | -1.53 | -3.39 | -2.22 | -1.09 | -2.95 | 0.04 | -0.27 | 0.04 | -0.41 | 0.40 | -0.35 | 0.82 | 0.82 | 0.85 |
| Standard Error | 0.99 | 1.34 | 0.41 | 0.77 | 1.02 | 0.40 | 2.26 | 1.21 | 0.90 | 1.45 | 0.94 | 0.52 | 2.51 | 1.27 | 0.71 |
| FT Mean | 15.55 | | | 15.24 | | | 21.41 | | | 20.38 | | | 20.95 | | |
| No. of FT Children | 86 | | | 112 | | | 17 | | | 53 | | | 20 | | |
| Matched NFT Site | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

COHORT III-K STUDY
Non-Preschool Adjusted

# Table C4-IIIK-12

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT READING
FOR COHORT III KINDERGARTEN SITES
IN THE BANK STREET MODEL



| | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.56 | 4.87 | 1.52 | -1.09 | -0.86 | -2.41 | -4.52 | -3.56 | -4.33 | -3.13 | -2.53 | -2.89 | 1.63 | 4.92 | 2.17 |
| Standard Error | 1.49 | 2.12 | 0.66 | 1.16 | 1.25 | 0.67 | 3.41 | 2.81 | 1.89 | 2.19 | 1.85 | 0.84 | 3.80 | 2.40 | 1.37 |
| FT Mean | 20.98 | | | 14.95 | | | 21.35 | | | 18.43 | | | 24.75 | | |
| No. of FT Children | 86 | | | 112 | | | 17 | | | 53 | | | 20 | | |
| Matched NFT Site | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK-13

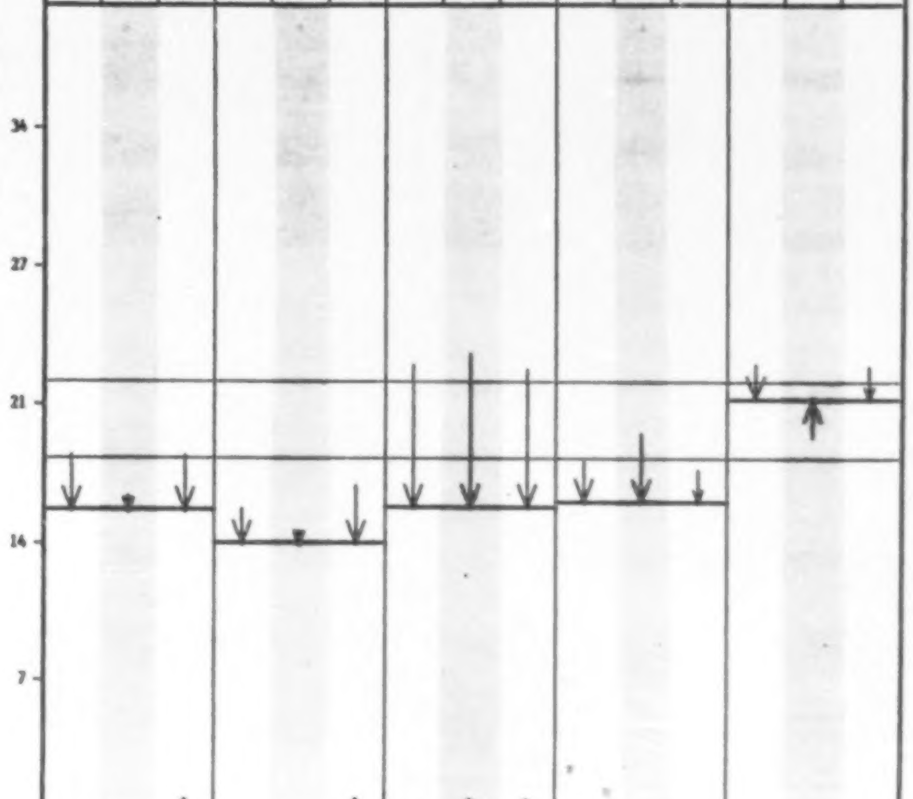
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT MATHEMATICS CONCEPTS
FOR COHORT III KINDERGARTEN SITES
IN THE BANK STREET MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ▲ |
| NFT Favoring: | ▼ |
| Material Difference: | ⋁ ⋀ |
| S.D. – | 6.87 |
| .25 S.D. – | 1.72 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.0

Overall NFT Mean 18.0



| | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | | ** | | | ** | * | ** | ** | | * | * | | | |
| Magnitude of Effect | -2.77 | -0.77 | -2.83 | -1.83 | -0.55 | -2.91 | -7.16 | -7.63 | -6.93 | -2.07 | -3.40 | -1.62 | -1.80 | 1.88 | -1.67 |
| Standard Error | 1.53 | 1.98 | 0.61 | 1.18 | 1.34 | 0.59 | 3.48 | 2.51 | 1.70 | 2.23 | 1.45 | 0.75 | 3.88 | 1.99 | 1.16 |
| FT Mean | 15.57 | | | 13.89 | | | 15.71 | | | 15.98 | | | 21.05 | | |
| No. of FT Children | 86 | | | 112 | | | 17 | | | 53 | | | 20 | | |
| Matched NFT Site | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK-14

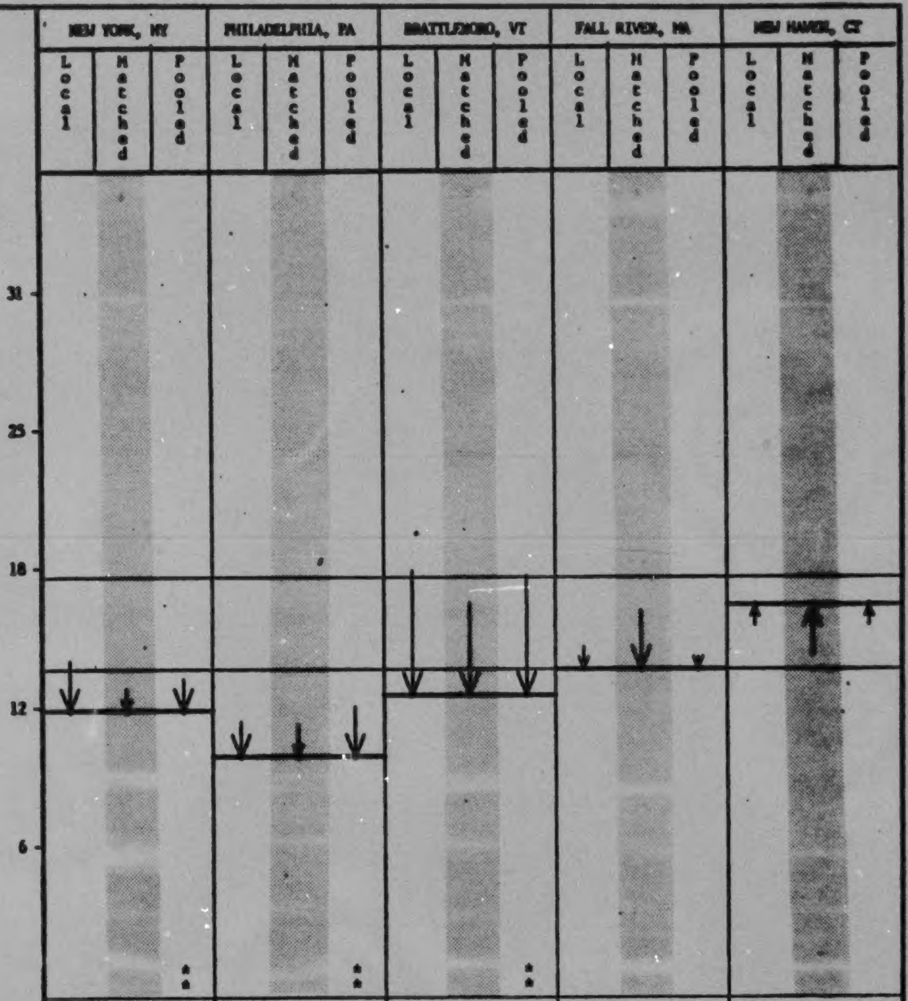
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT III KINDERGARTEN SITES IN THE BANK STREET MODEL

**KEY**

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ⋁ ⋀
S.D. - 6.14
.25 S.D. - 1.53
P < .05 : *
P < .01 : **

National Mean 18.5

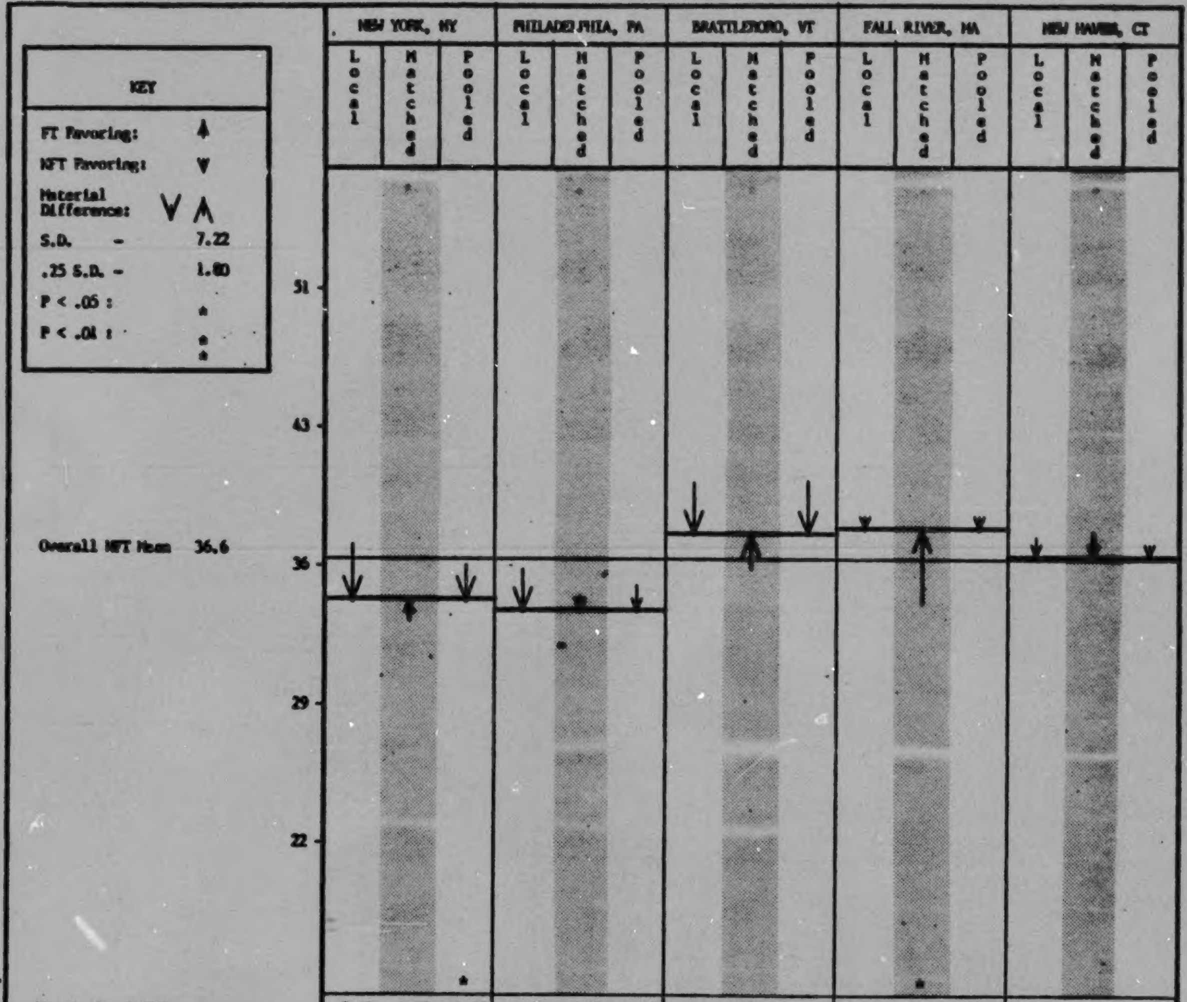
Overall NFT Mean 14.2



| | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -2.33 | -1.03 | -1.56 | -1.57 | -1.53 | -2.32 | -5.63 | -4.06 | -5.37 | -1.08 | -2.68 | -0.64 | 0.97 | 2.30 | 1.01 |
| Standard Error | 1.35 | 1.79 | 0.59 | 1.04 | 1.11 | 0.54 | 3.08 | 2.41 | 1.43 | 1.97 | 1.46 | 0.78 | 3.43 | 2.07 | 0.96 |
| FT Mean | 12.31 | | | 10.28 | | | 13.00 | | | 14.13 | | | 17.05 | | |
| No. of FT Children | 86 | | | 112 | | | 17 | | | 53 | | | 20 | | |
| Matched NFT Site | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK-15

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT III KINDERGARTEN SITES IN THE BANK STREET MODEL



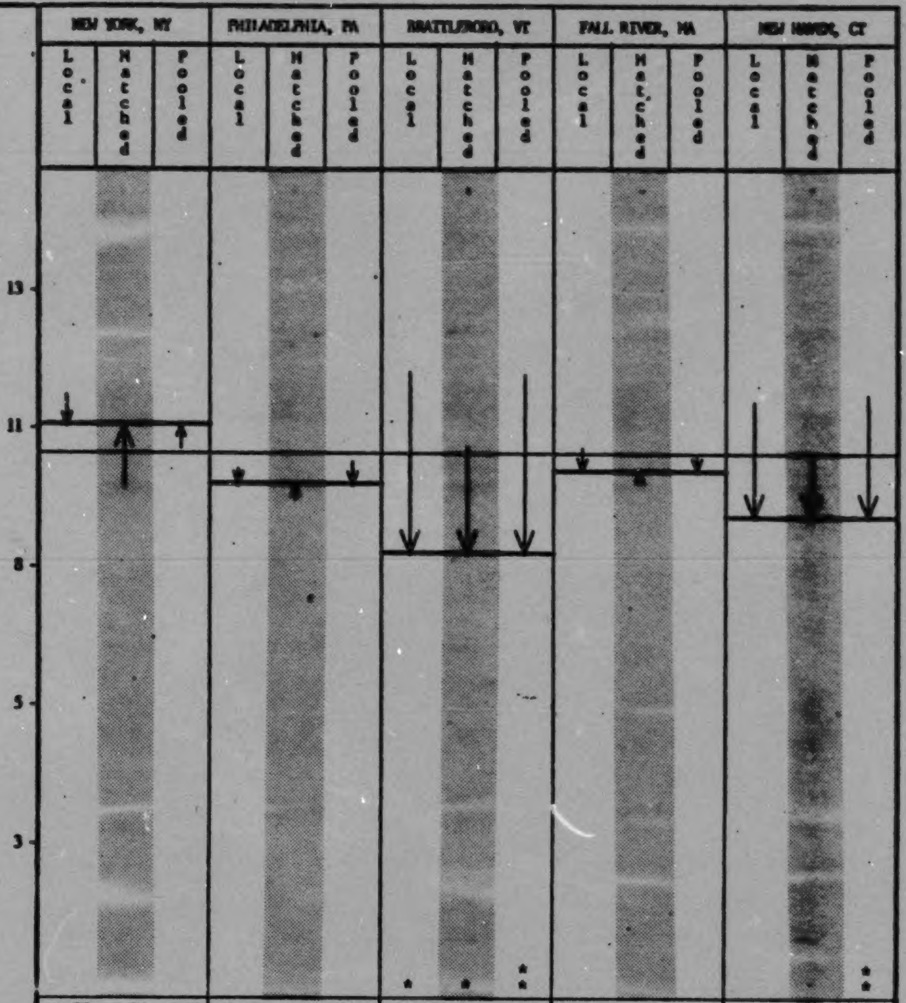
| | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -3.01 | 0.99 | -1.93 | -2.07 | -0.52 | -1.33 | -2.68 | 1.81 | -2.78 | -0.17 | 3.90 | -0.17 | -1.17 | -1.43 | -0.64 |
| Standard Error | 1.75 | 2.52 | 0.76 | 1.35 | 1.67 | 0.73 | 3.98 | 2.73 | 1.70 | 2.55 | 1.94 | 0.95 | 4.44 | 2.44 | 1.36 |
| FT Mean | 34.50 | | | 34.03 | | | 38.00 | | | 38.28 | | | 36.75 | | |
| No. of FT Children | 86 | | | 112 | | | 17 | | | 53 | | | 20 | | |
| Matched NFT Site | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK-16

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT III KINDERGARTEN SITES IN THE BANK STREET MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 2.64 |
| .25 S.D. - | .66 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 10.1



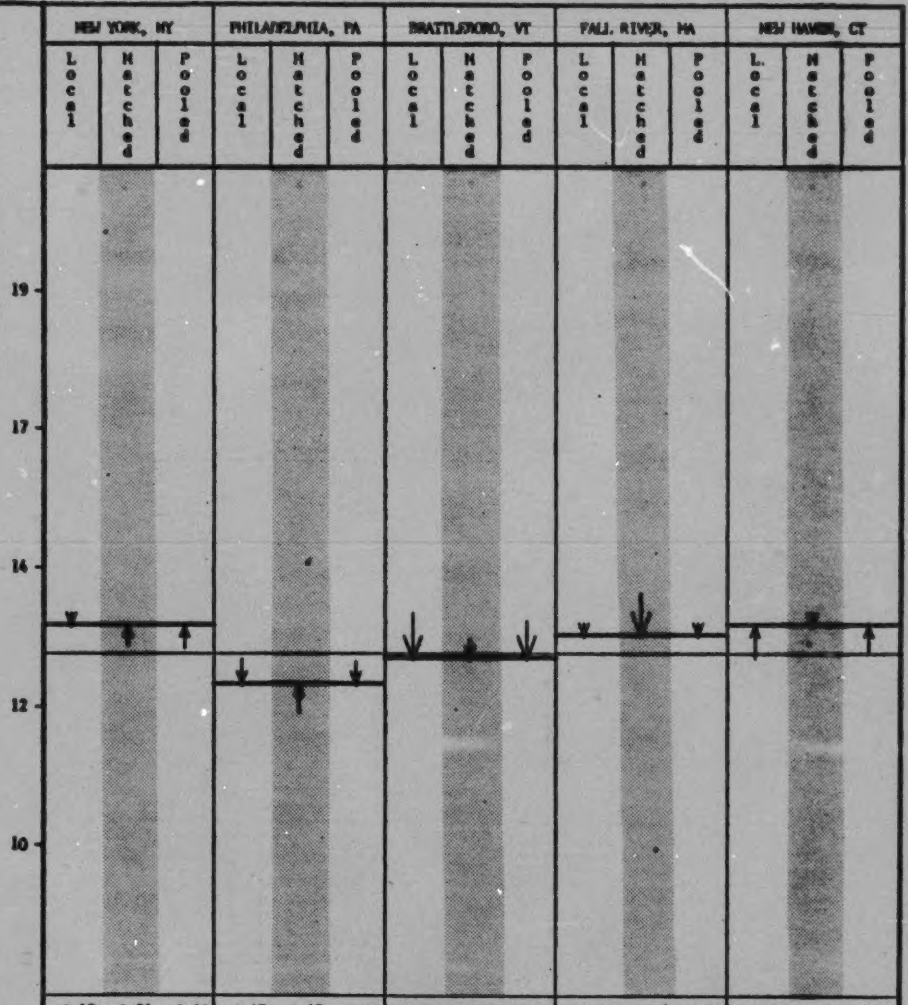
| | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.57 | 1.26 | 0.47 | -0.32 | 0.12 | -0.44 | -3.44 | -2.05 | -3.37 | -0.45 | 0.21 | -0.32 | -2.20 | -1.23 | -2.37 |
| Standard Error | 0.65 | 0.92 | 0.27 | 0.50 | 0.65 | 0.26 | 1.48 | 0.94 | 0.76 | 0.95 | 0.66 | 0.39 | 1.65 | 0.99 | 0.57 |
| FT Mean | 10.73 | | | 9.58 | | | 8.29 | | | 9.83 | | | 8.95 | | |
| No. of FT Children | 86 | | | 112 | | | 17 | | | 53 | | | 20 | | |
| Matched NFT Site | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK-17

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT
### ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE
### FOR COHORT III KINDERGARTEN SITES
### IN THE BANK STREET MODEL

**KEY**

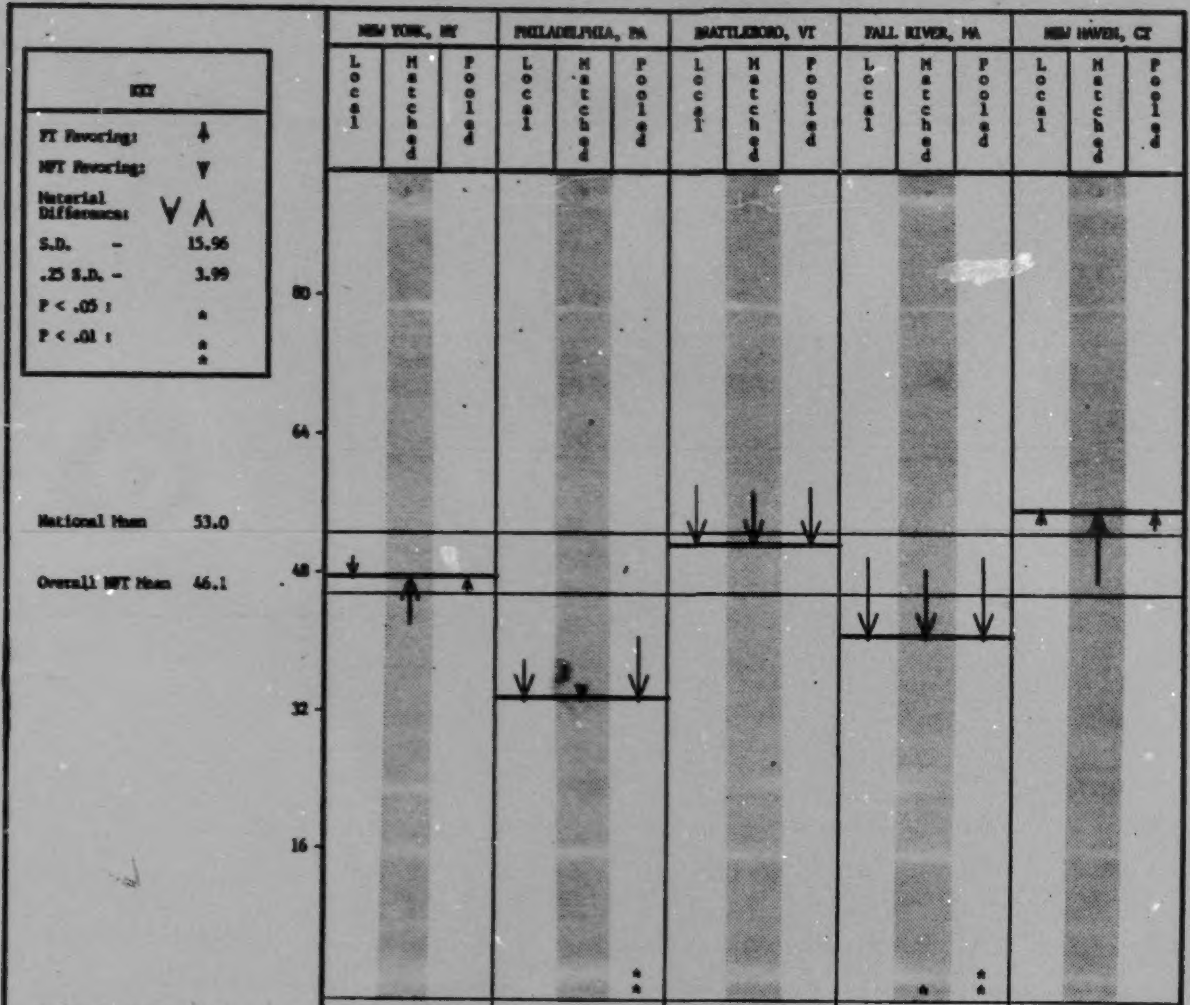
FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ⋁ ⋀
S.D. = 2.39
.25 S.D. = .60
P < .05 : *
P < .01 : **



| | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.18 | 0.36 | 0.40 | -0.47 | 0.47 | -0.43 | -0.80 | -0.36 | -0.67 | -0.03 | -0.78 | -0.21 | 0.56 | -0.02 | 0.49 |
| Standard Error | 0.56 | 0.68 | 0.23 | 0.43 | 0.62 | 0.23 | 1.27 | 0.80 | 0.68 | 0.82 | 0.51 | 0.30 | 1.42 | 0.73 | 0.39 |
| FT Mean | 13.44 | | | 12.42 | | | 12.88 | | | 13.26 | | | 13.45 | | |
| No. of FT Children | 86 | | | 112 | | | 17 | | | 53 | | | 20 | | |
| Matched NFT Site | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK-18

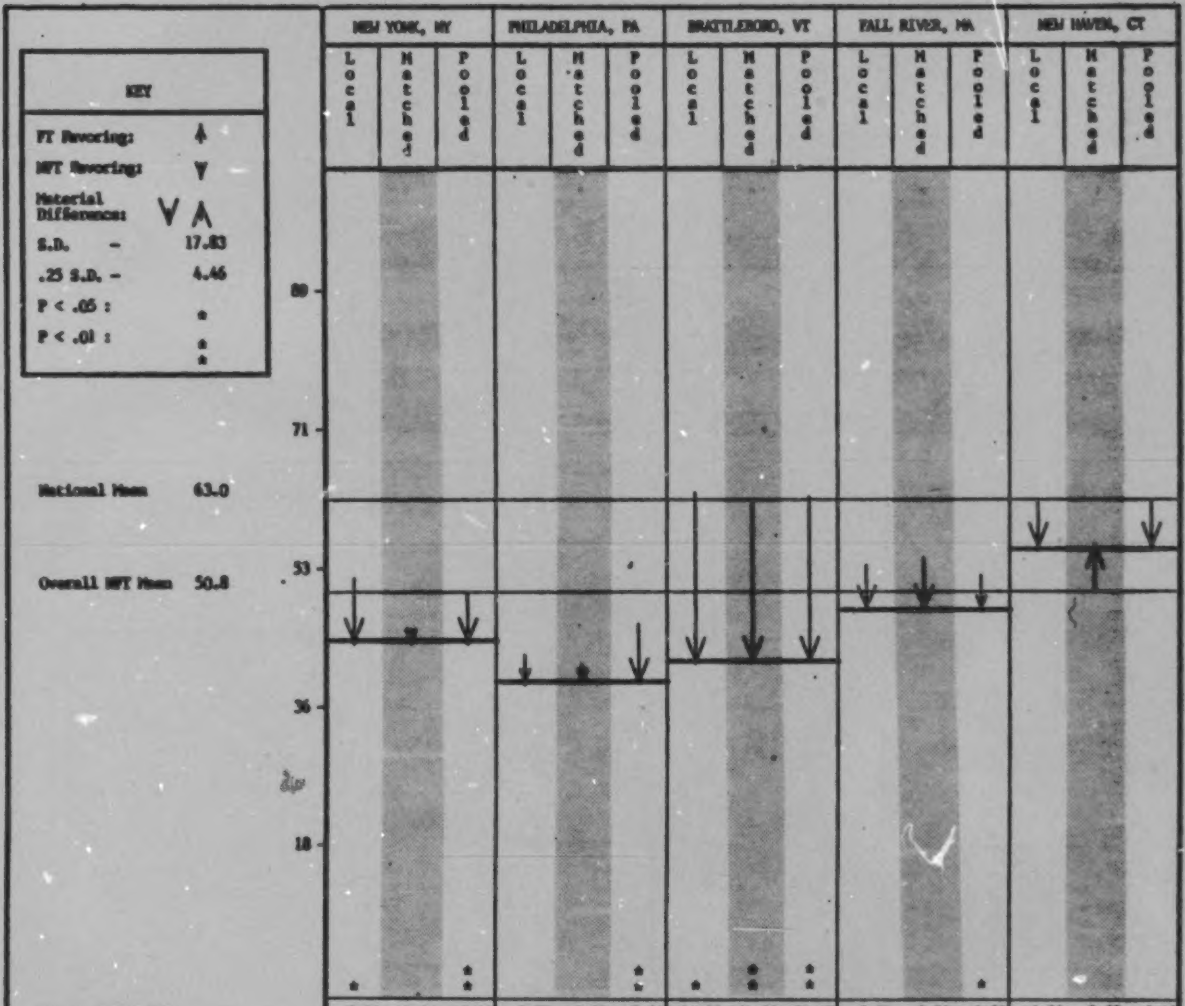
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL READING FOR COHORT III KINDERGARTEN SITES IN THE BANK STREET MODEL



| | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -2.30 | 5.28 | 1.99 | -4.52 | -1.74 | -7.30 | -6.86 | -6.09 | -6.63 | -9.44 | -7.84 | -9.29 | 1.04 | 8.22 | 2.12 |
| Standard Error | 3.37 | 4.55 | [illegible] | 2.61 | 3.02 | 1.52 | 7.68 | 5.48 | 3.95 | 4.92 | 3.80 | 1.96 | 8.55 | 5.17 | 3.26 |
| FT Mean | 47.83 | | | 33.71 | | | 51.47 | | | 40.79 | | | 55.50 | | |
| No. of FT Children | 86 | | | 112 | | | 17 | | | 53 | | | 20 | | |
| Matched NFT Site | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK-19

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT TOTAL MATH
FOR COHORT III KINDERGARTEN SITES
IN THE BANK STREET MODEL

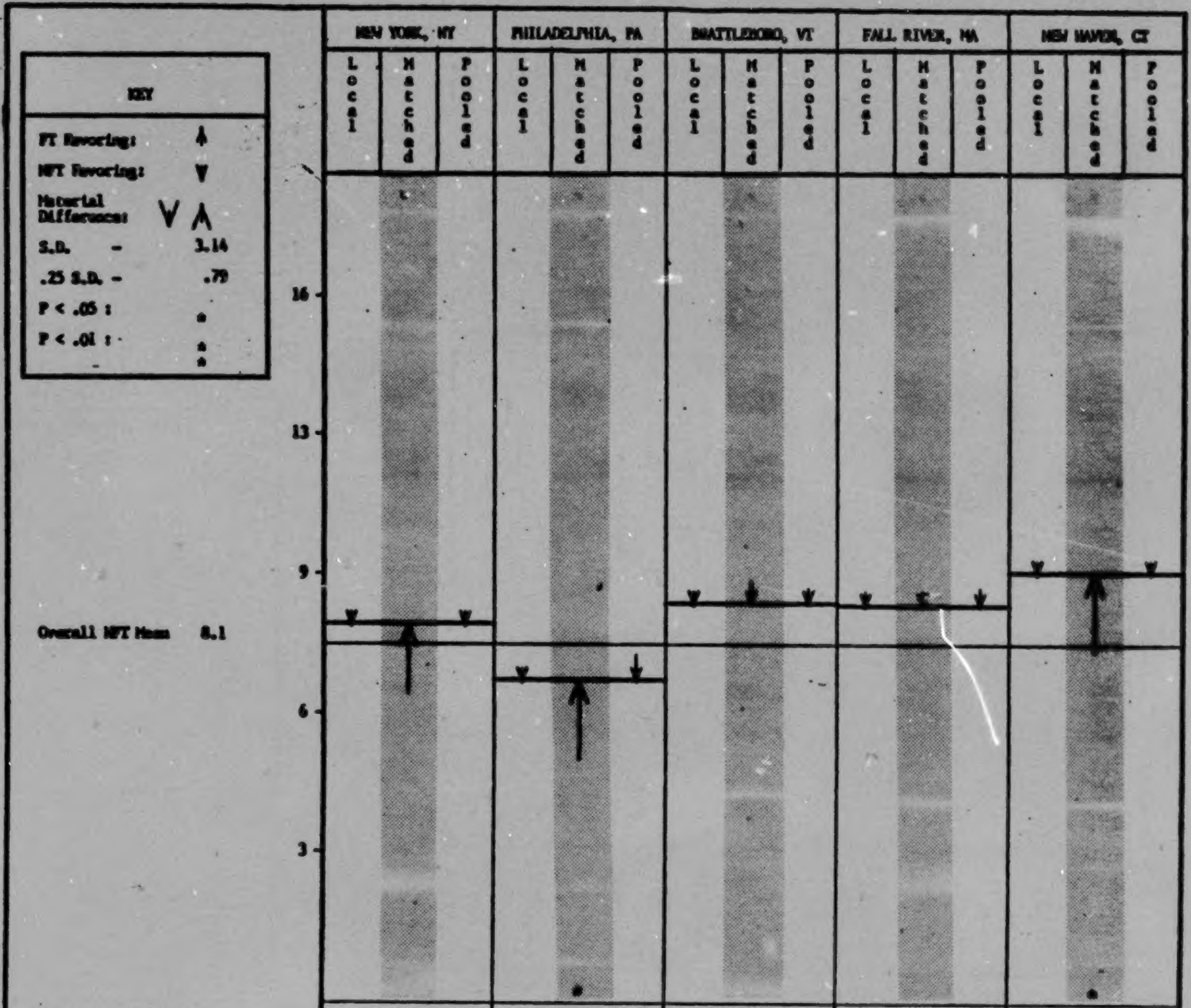


| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -8.29 | -1.40 | -6.29 | -3.67 | -2.22 | -7.59 | -21.86 | -20.29 | -21.21 | -5.71 | -6.84 | -4.39 | -6.31 | 5.63 | -6.03 |
| Standard Error | 3.94 | 5.41 | 1.73 | 3.05 | 3.20 | 1.48 | 8.98 | 6.30 | 4.20 | 5.76 | 3.89 | 2.00 | 10.00 | 5.91 | 3.26 |
| FT Mean | 44.66 | | | 39.40 | | | 41.94 | | | 48.59 | | | 56.60 | | |
| No. of FT Children | 86 | | | 112 | | | 17 | | | 53 | | | 20 | | |
| Matched NFT Site | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C4-IIIK-20

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT LANGUAGE PART A
FOR COHORT III KINDERGARTEN SITES
IN THE BANK STREET MODEL



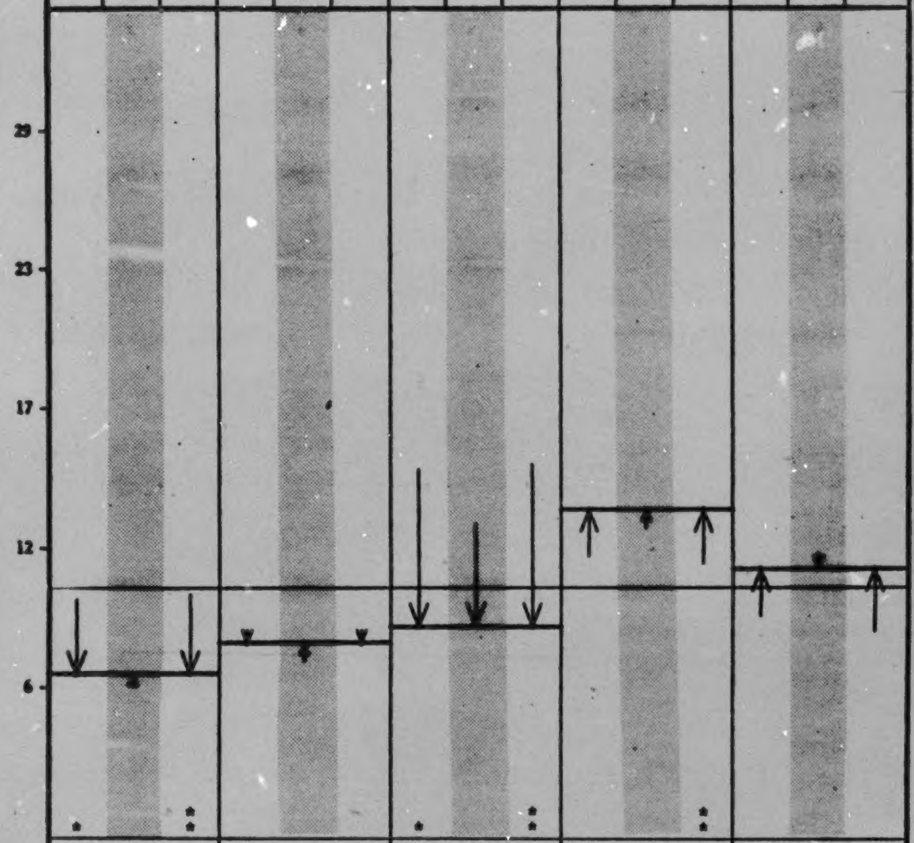
| | NEW YORK, NY Local | NEW YORK, NY Matched | NEW YORK, NY Pooled | PHILADELPHIA, PA Local | PHILADELPHIA, PA Matched | PHILADELPHIA, PA Pooled | BRATTLEBORO, VT Local | BRATTLEBORO, VT Matched | BRATTLEBORO, VT Pooled | FALL RIVER, MA Local | FALL RIVER, MA Matched | FALL RIVER, MA Pooled | NEW HAVEN, CT Local | NEW HAVEN, CT Matched | NEW HAVEN, CT Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.09 | 1.59 | -0.02 | -0.20 | 1.77 | -0.59 | -0.24 | -0.53 | -0.29 | -0.35 | -0.32 | -0.40 | -0.12 | 1.86 | -0.06 |
| Standard Error | 0.73 | 1.05 | 0.32 | 0.57 | 0.73 | 0.34 | 1.68 | 0.97 | 0.85 | 1.07 | 0.72 | 0.43 | 1.87 | 0.86 | 0.47 |
| FT Mean | 8.41 | | | 7.12 | | | 8.88 | | | 8.85 | | | 9.60 | | |
| No. of FT Children | 86 | | | 112 | | | 17 | | | 53 | | | 20 | | |
| Matched NFT Site | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK-21

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT LANGUAGE PART B
FOR COHORT III KINDERGARTEN SITES
IN THE BANK STREET MODEL

KEY

FT Favoring: ▲
NFT Favoring: ▼
Material Difference: ⋁ ⋀
S.D. = 5.82
.25 S.D. = 1.46
P < .05 : *
P < .01 : **



| | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | * | | ** | | | | * | | ** | | | ** | | | |
| Magnitude of Effect | -3.10 | 0.59 | -3.27 | -0.43 | 0.67 | -0.51 | -6.53 | -4.32 | -6.73 | 1.89 | 0.74 | 2.25 | 1.95 | -0.29 | 2.61 |
| Standard Error | 1.31 | 1.65 | 0.52 | 1.01 | 1.09 | 0.58 | 2.99 | 2.66 | 1.50 | 1.92 | 1.60 | 0.81 | 3.33 | 2.21 | 1.36 |
| FT Mean | 6.67 | | | 7.88 | | | 8.59 | | | 13.40 | | | 10.95 | | |
| No. of FT Children | 86 | | | 112 | | | 17 | | | 53 | | | 20 | | |
| Matched NFT Site | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK-22

## STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN FOR THE BANK STREET MODEL

| | MAT NORM POPULATION | SPONSOR'S SITES | | | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| TOTAL READING | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 61 | 57.6 | 59.1 | — | 59.1 | 58.8 | 55.2 | 50.1 | 51.9 | 51.6 | 64.0 | 66.0 | 68.9 | 53.2 | 59.4 | 59.0 | 61.5 | 59.5 | 61.3 |
| Median Percentile | 50 | 40.0 | 42.0 | 42.0 | 42.0 | 42.0 | 30.0 | 16.0 | 22.0 | 22.0 | 60.0 | 64.0 | 72.0 | 24.0 | 42.0 | 42.0 | 54.0 | 46.0 | 48.0 |
| Grade Equivalent | 3.5 | 3.2 | 3.3 | 3.3 | 3.3 | 3.3 | 2.9 | 2.4 | 2.6 | 2.6 | 3.8 | 4.1 | 4.4 | 2.7 | 3.3 | 3.3 | 3.6 | 3.4 | 3.5 |
| 1 Year or More Below Grade Level | 20 | 31.4 | 25.8 | — | 17.4 | 24.6 | 22.2 | 54.5 | 49.0 | 49.5 | 35.3 | 4.0 | 6.5 | 39.6 | 22.9 | 31.5 | 10.0 | 28.6 | 23.3 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 61.3 | 65.0 | — | 60.2 | 64.9 | 60.5 | 57.0 | 57.7 | 57.6 | 60.0 | 70.0 | 74.2 | 62.8 | 63.5 | 64.2 | 66.5 | 69.0 | 65.0 |
| Median Percentile | 50 | 20.0 | 32.0 | 28.0 | 18.0 | 32.0 | 20.0 | 12.0 | 14.0 | 14.0 | 18.0 | 48.0 | 62.0 | 26.0 | 28.0 | 28.0 | 38.0 | 44.0 | 32.0 |
| Grade Equivalent | 3.75 | 3.0 | 3.3 | 3.2 | 3.0 | 3.3 | 3.0 | 2.7 | 2.8 | 2.8 | 3.0 | 3.7 | 4.1 | 3.2 | 3.2 | 3.2 | 3.5 | 3.6 | 3.3 |
| 1 Year or More Below Grade Level | 12 | 35.7 | 25.9 | — | 43.0 | 28.0 | 38.9 | 51.8 | 48.6 | 49.5 | 47.1 | 8.0 | 7.8 | 26.4 | 37.5 | 18.5 | 10.0 | 7.1 | 23.3 |
| SPELLING | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 64 | 60.9 | 65.3 | — | 64.0 | 66.8 | 65.5 | 56.5 | 60.2 | 55.1 | 64.0 | 68.3 | 66.4 | 55.3 | 64.5 | 58.3 | 64.5 | 66.8 | 60.7 |
| Median Percentile | 50 | 40.0 | 54.0 | 40.0 | 50.0 | 60.0 | 58.0 | 30.0 | 38.0 | 23.0 | 50.0 | 64.0 | 58.0 | 23.0 | 54.0 | 32.0 | 54.0 | 60.0 | 40.0 |
| Grade Equivalent | 3.6 | 3.3 | 3.7 | 3.3 | 3.6 | 4.1 | 3.9 | 2.9 | 3.1 | 2.7 | 3.6 | 4.2 | 3.9 | 2.7 | 3.7 | 2.9 | 3.7 | 4.1 | 3.3 |
| 1 Year or More Below Grade Level | 22 | 34.6 | 21.4 | — | 30.2 | 20.3 | 16.7 | 47.3 | 35.7 | 47.3 | 35.3 | 8.0 | 10.4 | 45.3 | 14.6 | 35.2 | 15.0 | 28.6 | 30.2 |
| LANGUAGE | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70 | 58.7 | 59.9 | — | 56.2 | 59.3 | 54.5 | 56.1 | 55.3 | 54.0 | 56.0 | 69.0 | 65.9 | 64.7 | 59.8 | 63.5 | 60.5 | 56.0 | 62.9 |
| Median Percentile | 50 | 23.0 | 26.0 | 26.0 | 18.0 | 23.0 | 14.0 | 18.0 | 14.0 | 12.0 | 18.0 | 48.0 | 40.0 | 38.0 | 26.0 | 34.0 | 28.0 | 18.0 | 32.0 |
| Grade Equivalent | 4.0 | 2.9 | 3.0 | 3.0 | 2.6 | 2.9 | 2.5 | 2.6 | 2.5 | 2.4 | 2.6 | 3.9 | 3.5 | 3.4 | 3.0 | 3.3 | 3.1 | 2.6 | 3.2 |
| 1 Year or More Below Grade Level | 14 | 57.3 | 58.8 | — | 70.9 | 58.0 | 83.3 | 67.0 | 74.5 | 81.7 | 64.7 | 36.0 | 28.6 | 34.0 | 54.2 | 40.7 | 50.0 | 71.4 | 44.2 |
| BEST MATCHED SITE | | | | | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK(PS)-22

### STANDARDIZED SCORES FOR MAT READING READING, MATHEMATICS LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN WITH HEADSTART FOR THE BANK STREET MODEL

| | MAT NORM POPU-LATION | SPONSOR'S SITES | | NEW YORK, NY | | PHILADEL-PHIA, PA | | BRATTLE-BORO, VT | | FALL RIVER, MA | | NEW HAVEN, CT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| **TOTAL READING** | | | | | | | | | | | | | |
| Third Grade Median | 61 | 57.6 | 59.7 | 59.2 | 59.3 | 50.5 | 52.9 | 64.0 | 66.5 | 53.2 | 59.8 | 61.2 | 59.8 |
| Median Percentile | 50 | 38 | 45 | 42 | 42 | 16 | 24 | 60 | 66 | 24 | 46 | 50 | 46 |
| Grade Equivalent | 3.5 | 3.1 | 3.4 | 3.3 | 3.3 | 2.4 | 2.7 | 3.8 | 4.1 | 2.7 | 3.4 | 3.5 | 3.4 |
| % 1 Year or More Below Grade Level | 20 | 31 | 26 | 17 | 26 | 54 | 47 | 35 | 4 | 39 | 24 | 10 | 29 |
| **TOTAL MATHEMATICS** | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 61.5 | 64.8 | 60.6 | 64.1 | 57.0 | 58.3 | 60.5 | 70.8 | 63.0 | 62.0 | 66.2 | 69.0 |
| Median Percentile | 50 | 22 | 32 | 20 | 28 | 12 | 14 | 18 | 52 | 26 | 23 | 34 | 44 |
| Grade Equivalent | 3.75 | 3.1 | 3.3 | 3.0 | 3.2 | 2.7 | 2.8 | 3.0 | 3.8 | 3.2 | 3.1 | 3.4 | 3.6 |
| % 1 Year or More Below Grade Level | 12 | 35 | 26 | 42 | 29 | 52 | 45 | 47 | 8 | 24 | 43 | 10 | 7 |
| **SPELLING** | | | | | | | | | | | | | |
| Third Grade Median | 64 | 61.1 | 65.5 | 64.0 | 66.4 | 56.2 | 61.4 | 64.0 | 68.5 | 57.0 | 64.5 | 64.5 | 66.8 |
| Median Percentile | 50 | 41 | 54 | 50 | 58 | 26 | 40 | 50 | 64 | 30 | 50 | 50 | 60 |
| Grade Equivalent | 3.6 | 3.3 | 3.8 | 3.6 | 3.9 | 2.8 | 3.3 | 3.6 | 4.2 | 2.9 | 3.6 | 3.6 | 4.1 |
| % 1 Year or More Below Grade Level | 22 | 34 | 22 | 30 | 24 | 48 | 34 | 35 | 4 | 41 | 17 | 15 | 29 |
| **LANGUAGE** | | | | | | | | | | | | | |
| Third Grade Median | 70 | 58.7 | 59.9 | 56.2 | 59.7 | 56.1 | 55.4 | 56.0 | 69.5 | 64.7 | 59.0 | 60.5 | 56.0 |
| Median Percentile | 50 | 24 | 26 | 18 | 26 | 18 | 14 | 18 | 50 | 38 | 23 | 26 | 18 |
| Grade Equivalent | 4.0 | 2.8 | 3.0 | 2.6 | 3.0 | 2.6 | 2.5 | 2.6 | 4.0 | 3.4 | 2.9 | 3.0 | 2.6 |
| % 1 Year or More Below Grade Level | 14 | 58 | 59 | 72 | 57 | 67 | 74 | 65 | 33 | 37 | 60 | 50 | 71 |

## Table C4-IIIK-23

### MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES USED IN THE ANALYTIC SAMPLE OF THE COHORT III KINDERGARTEN CHILDREN FOR THE BANK STREET MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT Mean | 31.1 | 29.2 | — | 34.9 | 31.1 | 30.3 | 30.7 | 26.9 | 28.2 | 31.9 | 34.7 | 34.3 | 25.6 | 27.6 | 25.2 | 32.4 | 25.9 | 35.8 |
| Standard Deviation | — | — | — | 12.4 | 12.4 | 13.1 | 13.2 | 11.4 | 11.9 | 14.4 | 11.6 | 13.4 | 10.9 | 11.7 | 10.5 | 11.2 | 12.9 | 12.2 |
| HIGHEST OCCUPATION IN HOUSE Mean | 14.5 | 14.1 | — | 14.2 | 14.0 | 14.1 | 13.3 | 13.6 | 13.6 | 14.7 | 15.6 | 15.0 | 14.1 | 13.5 | 14.7 | 16.4 | 13.6 | 15.0 |
| Standard Deviation | — | — | — | 2.0 | 2.0 | 2.6 | 1.9 | 1.9 | 1.7 | 2.5 | 2.1 | 2.1 | 1.3 | 1.0 | 2.0 | 2.4 | 1.3 | 2.3 |
| FAMILY INCOME IN DOLLARS Mean | 5700 | 6345 | — | 4943 | 6090 | 5280 | 4797 | 5407 | 4843 | 5647 | 8440 | 7346 | 6124 | 6138 | 5592 | 6989 | 5650 | 7516 |
| Standard Deviation | — | — | — | 2770 | 2255 | 2613 | 2648 | 2789 | 2589 | 2688 | 2101 | 2548 | 2653 | 2625 | 2941 | 2918 | 3511 | 3037 |
| MISSING INCOME INFORMATION No. Missing | — | — | — | 32 | 168 | 8 | 81 | 405 | 9 | 0 | 0 | 23 | 16 | 11 | 1 | 1 | 2 | 13 |
| Valid Cases | — | — | — | 54 | 39 | 10 | 31 | 54 | 84 | 17 | 25 | 54 | 37 | 37 | 53 | 19 | 12 | 30 |
| ETHNIC MEMBERSHIP/RACE Percent White | 47 | 46 | — | 0 | 2 | 0 | 0 | 1 | 0 | 100 | 100 | 91 | 96 | 98 | 78 | 40 | 29 | 60 |
| Percent Black | 52 | 48 | — | 100 | 81 | 83 | 100 | 95 | 100 | 0 | 0 | 0 | 2 | 2 | 22 | 60 | 64 | 38 |
| SEX Percent Female | 56 | 52 | — | 48 | 48 | 56 | 48 | 54 | 59 | 82 | 64 | 55 | 58 | 46 | 56 | 45 | 50 | 44 |
| ENTRY AGE IN MONTHS Mean | 63.2 | 62.8 | — | 63.3 | 63.4 | 64.7 | 62.3 | 61.9 | 63.3 | 63.0 | 61.6 | 66.4 | 63.5 | 64.4 | 63.4 | 63.9 | 62.8 | 67.1 |
| Standard Deviation | — | — | — | 3.6 | 3.5 | 4.1 | 3.3 | 3.5 | 3.7 | 3.5 | 4.2 | 3.6 | 4.2 | 3.9 | 3.6 | 4.6 | 3.4 | 5.8 |
| FIRST LANGUAGE Percent English | 96 | 87 | — | 100 | 85 | 88 | 100 | 97 | 100 | 100 | 100 | 100 | 79 | 60 | 100 | 100 | 93 | 100 |
| BEST MATCHED SITE | | | | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

## Table C4-IIIK-24

## MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES FOR THE COHORT III KINDERGARTEN CHILDREN IN THE BANK STREET MODEL

| | ALL SITES | | SPONSOR'S SITES | | | NEW YORK, NY | | | PHILADELPHIA, PA | | | BRATTLEBORO, VT | | | FALL RIVER, MA | | | NEW HAVEN, CT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING Mean | 41.25 | 46.14 | 45.86 | 48.87 | — | 47.83 | 47.54 | 40.67 | 33.71 | 35.92 | 34.76 | 51.47 | 61.60 | 61.96 | 40.79 | 51.08 | 46.72 | 55.50 | 48.21 | 53.21 |
| Standard Deviation | | | — | — | — | 15.59 | 17.01 | 14.11 | 13.72 | 15.05 | 14.44 | 21.91 | 18.62 | 16.61 | 17.98 | 19.18 | 18.35 | 16.99 | 18.09 | 20.67 |
| TOTAL MATHEMATICS Mean | 47.77 | 50.84 | 46.24 | 54.00 | — | 44.66 | 51.13 | 47.28 | 39.40 | 40.88 | 40.35 | 41.94 | 66.40 | 67.68 | 48.58 | 54.15 | 53.43 | 56.60 | 57.43 | 57.40 |
| Standard Deviation | | | — | — | — | 16.89 | 19.80 | 18.41 | 14.65 | 17.27 | 16.62 | 19.86 | 24.92 | 19.63 | 18.24 | 23.97 | 18.16 | 16.29 | 12.78 | 22.80 |
| LANGUAGE Mean | 16.60 | 18.44 | 18.07 | 18.72 | — | 15.08 | 16.93 | 13.39 | 14.99 | 14.63 | 13.35 | 17.47 | 25.56 | 24.51 | 22.25 | 20.60 | 21.50 | 20.55 | 15.86 | 22.28 |
| Standard Deviation | | | — | — | — | 6.80 | 7.68 | 6.51 | 7.25 | 7.17 | 6.39 | 9.82 | 12.97 | 9.64 | 10.06 | 11.68 | 8.26 | 8.77 | 6.77 | 10.37 |
| SPELLING Mean | 17.64 | 20.63 | 18.63 | 23.61 | — | 21.56 | 24.46 | 21.67 | 13.92 | 17.91 | 14.58 | 19.59 | 28.04 | 25.60 | 15.25 | 24.40 | 18.19 | 22.85 | 23.21 | 19.77 |
| Standard Deviation | | | — | — | — | 13.23 | 12.06 | 11.18 | 11.22 | 12.66 | 13.28 | 11.62 | 10.70 | 9.19 | 12.37 | 10.91 | 12.23 | 11.82 | 12.80 | 12.25 |
| RAVEN'S PROGRESSIVE MAT. Mean | 18.15 | 18.95 | 18.71 | 19.33 | — | 15.55 | 17.53 | 16.89 | 15.24 | 16.97 | 16.00 | 21.41 | 22.04 | 22.27 | 20.38 | 21.04 | 19.80 | 20.95 | 19.07 | 21.00 |
| Standard Deviation | | | — | — | — | 3.88 | 4.88 | 4.31 | 4.75 | 4.52 | 4.43 | 4.37 | 4.17 | 3.51 | 4.01 | 4.02 | 4.20 | 3.28 | 4.58 | 3.95 |
| COOPERSMITH'S SELF-EST. Mean | 35.64 | 36.59 | 36.31 | 37.80 | — | 34.50 | 37.24 | 33.94 | 34.03 | 35.73 | 35.27 | 38.00 | 41.20 | 37.61 | 38.28 | 38.40 | 34.96 | 36.75 | 36.43 | 40.00 |
| Standard Deviation | | | — | — | — | 6.98 | 7.11 | 7.89 | 7.65 | 7.25 | 6.63 | 7.48 | 9.36 | 7.43 | 7.15 | 7.57 | 7.75 | 7.04 | 6.85 | 7.98 |
| IARS-LOCUS NEGATIVE Mean | 9.91 | 10.11 | 9.48 | 10.85 | — | 10.73 | 11.20 | 9.00 | 9.58 | 9.79 | 9.34 | 8.29 | 11.84 | 11.00 | 9.83 | 10.27 | 10.13 | 8.95 | 11.14 | 9.79 |
| Standard Deviation | | | — | — | — | 2.55 | 2.45 | 3.46 | 2.81 | 2.76 | 2.45 | 3.26 | 1.89 | 2.50 | 2.84 | 2.70 | 2.30 | 2.52 | 2.77 | 2.74 |
| IARS-LOCUS POSITIVE Mean | 12.83 | 13.07 | 13.09 | 13.22 | — | 13.44 | 13.57 | 13.11 | 12.42 | 12.78 | 12.06 | 12.88 | 13.72 | 13.77 | 13.26 | 13.33 | 13.37 | 13.45 | 12.71 | 13.44 |
| Standard Deviation | | | — | — | — | 2.14 | 2.12 | 1.57 | 2.56 | 2.43 | 2.66 | 2.93 | 1.97 | 2.11 | 2.20 | 2.58 | 1.90 | 1.73 | 3.52 | 2.06 |
| WORD KNOWLEDGE Mean | 23.30 | 26.29 | 25.77 | 27.82 | — | 26.85 | 26.98 | 24.72 | 18.77 | 20.68 | 19.33 | 30.12 | 34.48 | 34.79 | 22.36 | 29.33 | 26.41 | 30.75 | 27.64 | 30.77 |
| Standard Deviation | | | — | — | — | 9.59 | 10.20 | 9.50 | 9.23 | 9.79 | 9.59 | 13.56 | 10.62 | 9.22 | 10.91 | 11.35 | 10.75 | 10.43 | 10.73 | 12.01 |
| READING Mean | 17.95 | 19.85 | 20.09 | 21.05 | — | 20.98 | 20.57 | 15.94 | 14.95 | 15.24 | 15.43 | 21.35 | 27.12 | 27.17 | 18.43 | 21.75 | 20.31 | 24.75 | 20.57 | 22.44 |
| Standard Deviation | | | — | — | — | 6.82 | 7.62 | 6.38 | 5.48 | 6.24 | 5.82 | 9.13 | 9.18 | 8.38 | 7.69 | 8.58 | 8.64 | 7.17 | 8.14 | 9.33 |
| MATH COMPUTATIONS Mean | 18.16 | 18.55 | 16.44 | 20.15 | — | 16.78 | 19.35 | 17.06 | 15.23 | 14.86 | 14.97 | 13.24 | 23.04 | 23.43 | 18.47 | 21.02 | 19.17 | 18.50 | 22.50 | 19.35 |
| Standard Deviation | | | — | — | — | 7.47 | 7.85 | 7.03 | 5.82 | 6.25 | 6.75 | 6.19 | 8.29 | 6.15 | 6.53 | 8.09 | 6.77 | 6.37 | 4.99 | 7.72 |
| MATH CONCEPTS Mean | 16.41 | 18.04 | 16.44 | 18.95 | — | 15.57 | 17.52 | 16.56 | 13.89 | 14.83 | 14.01 | 15.71 | 23.92 | 24.66 | 15.98 | 17.90 | 19.06 | 21.05 | 20.57 | 21.49 |
| Standard Deviation | | | — | — | — | 6.10 | 7.21 | 6.72 | 6.32 | 7.11 | 6.45 | 7.94 | 8.44 | 7.59 | 6.64 | 8.74 | 6.64 | 6.18 | 4.15 | 7.65 |
| MATH PROBLEM SOLVING Mean | 13.20 | 14.25 | 13.35 | 14.89 | — | 12.31 | 14.25 | 13.67 | 10.28 | 11.19 | 11.38 | 13.00 | 19.44 | 19.58 | 14.13 | 15.23 | 15.20 | 17.05 | 14.36 | 16.56 |
| Standard Deviation | | | — | — | — | 5.41 | 6.70 | 5.71 | 4.76 | 5.57 | 5.29 | 6.65 | 9.17 | 7.51 | 6.79 | 8.14 | 6.58 | 5.03 | 4.72 | 8.51 |
| LANGUAGE PART A Mean | 7.59 | 8.13 | 8.57 | 8.56 | — | 8.41 | 8.16 | 7.06 | 7.12 | 6.94 | 5.85 | 8.88 | 9.52 | 10.25 | 8.85 | 9.25 | 8.65 | 9.60 | 8.93 | 8.72 |
| Standard Deviation | | | — | — | — | 3.20 | 3.24 | 3.44 | 3.52 | 3.22 | 3.08 | 4.12 | 3.61 | 2.51 | 3.57 | 3.53 | 2.59 | 2.39 | 2.37 | 3.29 |
| LANGUAGE PART B Mean | 9.01 | 10.31 | 9.50 | 10.16 | — | 6.67 | 8.77 | 6.33 | 7.88 | 7.69 | 7.51 | 8.59 | 16.04 | 14.26 | 13.40 | 11.35 | 12.85 | 10.95 | 6.93 | 13.56 |
| Standard Deviation | | | — | — | — | 4.90 | 5.85 | 4.12 | 4.88 | 5.07 | 4.52 | 7.26 | 10.22 | 8.23 | 7.34 | 8.95 | 6.78 | 7.13 | 4.97 | 7.58 |
| BEST MATCH SITE | | | | | | Ravenswood, CA | | | Chicago, IL | | | Great Falls, MT | | | Okaloosa Co., FL | | | Des Moines, IA | | |

Table C4-IIIK-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K LOCAL ANALYSES FOR THE BANK STREET MODEL

CODE

FKW = Fall Kindergarten WRAT
NOFKW = Missing WRAT
INCOME = Income
ETH2 = White vs. Other
SEX = Sex
OCCUP = Occupation
LANG = First Language
ENTAGE = Entry Age
NOOCCUP = Missing Occupation
ETH1 = White vs. Black
NOINC = Missing Income

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .69524107 | .65532990E-01 |
| NOFKW | .32544484 | 5.8240627 |
| INCOME | .36263638E-03 | .27520713E-03 |
| ETH2 | 1.6952504 | 3.4893686 |
| SEX | -.60961008E-01 | 1.5342070 |
| OCCUP | .95675506E-01 | .38585927 |
| LANG | 2.0569790 | 4.2605529 |
| ENTAGE | -.30446796 | .21514043 |
| NOOCCUP | -.83383863 | 4.8872625 |
| ETH1 | 4.6225028 | 2.5878733 |
| NOINC | -.89165780 | 4.9140828 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .70442082 | .76639535E-01 |
| NOFKW | 2.3606713 | 6.8111260 |
| INCOME | .26024074E-03 | .32184929E-03 |
| ETH2 | -1.7046260 | 4.0807475 |
| SEX | 1.0289397 | 1.7942247 |
| OCCUP | .69727062E-01 | .45125478 |
| LANG | 5.8869465 | 4.9826323 |
| ENTAGE | -.17089321 | .25160247 |
| NOOCCUP | .24246427 | 5.7155568 |
| ETH1 | 3.9918026 | 3.0264667 |
| NOINC | .87900384E-01 | 5.7469226 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .46462252 | .52059771E-01 |
| NOFKW | .51653987 | 4.6266677 |
| INCOME | .20587617E-03 | .21862607E-03 |
| ETH2 | .35121564 | 2.7719738 |
| SEX | 2.7865256 | 1.2187826 |
| OCCUP | .42448255E-01 | .30652875 |
| LANG | -1.8467396 | 3.3846069 |
| ENTAGE | -.17235204 | .17090875 |
| NOOCCUP | -2.8485584 | 3.8824685 |
| ETH1 | .23741136 | 2.0558210 |
| NOINC | 1.7781483 | 3.9037747 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .29966747 | .33575626E-01 |
| NOFKW | -.35454887 | 2.9839406 |
| INCOME | .17547861E-03 | .14100153E-03 |
| ETH2 | -.55394236 | 1.7877673 |
| SEX | .76527147 | .78604625 |
| OCCUP | .12043761 | .19769381 |
| LANG | 2.6929251 | 2.1828812 |
| ENTAGE | -.71747930E-01 | .11022654 |
| NOOCCUP | -.97634962 | 2.5039740 |
| ETH1 | 1.7596826 | 1.3258800 |
| NOINC | .65828008E-01 | 2.5177152 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .16074973 | .19248386E-01 |
| NOFKW | .24181559 | 1.7106469 |
| INCOME | .14247446E-04 | .80833988E-04 |
| ETH2 | -2.2637555 | 1.0248992 |
| SEX | -1.0329737 | .45062812 |
| OCCUP | .93204368E-02 | .11333479 |
| LANG | .57633330 | 1.2514119 |
| ENTAGE | -.16804714E-01 | .63191163E-01 |
| NOOCCUP | -1.0281973 | 1.4354894 |
| ETH1 | 1.5703912 | .76011157 |
| NOINC | .87172384 | 1.4433671 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .14843547 | .33985161E-01 |
| NOFKW | -1.2686224 | 3.0203369 |
| INCOME | .66084289E-04 | .14272138E-03 |
| ETH2 | -.37404906 | 1.8095734 |
| SEX | .58803115 | .79563396 |
| OCCUP | .12114547 | .20010516 |
| LANG | 1.1830040 | 2.2095066 |
| ENTAGE | .34992505E-01 | .11157101 |
| NOOCCUP | .70252341 | 2.5345159 |
| ETH1 | 1.1085626 | 1.3420613 |
| NOINC | -.56079350 | 2.5484248 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .54477663E-01 | .10874813E-01 |
| NOFKW | -.13810878 | .96646883 |
| INCOME | -.52476392E-05 | .45668999E-04 |
| ETH2 | -.43548921 | .57904013 |
| SEX | .40160470 | .25459260 |
| OCCUP | -.19860515E-01 | .64031068E-01 |
| LANG | -.12842796 | .70701361 |
| ENTAGE | -.97734495E-02 | .35701284E-01 |
| NOOCCUP | -.37368772 | .81101238 |
| ETH1 | -.41920533E-01 | .42944231 |
| NOINC | .57609075 | .81546304 |

## Table C4-IIIK-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .38457913E-01 | .12645285E-01 |
| NOFKW | .20047024 | 1.1238146 |
| INCOME | .23757662E-05 | .53104131E-04 |
| ETH2 | -.54135310 | .67331063 |
| SEX | .23229580 | .29604149 |
| OCCUP | .11794460E-01 | .74455633E-01 |
| LANG | -.12196565 | .82211881 |
| ENTAGE | -.26349610E-01 | .41513624E-01 |
| NOOCCUP | -.30125363E-01 | .94304908 |
| ETH1 | -.70480707 | .49935758 |
| NOINC | .20879106 | .94822433 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .43140854 | .41389238E-01 |
| NOFKW | 2.1626088 | 3.6783536 |
| INCOME | .22573388E-03 | .17381495E-03 |
| ETH2 | 1.2244992 | 2.2038107 |
| SEX | -.71346583E-01 | .90897239 |
| OCCUP | .48496109E-01 | .24370048 |
| LANG | .54026296 | 2.6908742 |
| ENTAGE | -.19072527 | .13587810 |
| NOOCCUP | -.64686275 | 3.0866907 |
| ETH1 | 2.0649018 | 1.6344456 |
| NOINC | -.31291661 | 3.1036298 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .26383254 | .29111878E-01 |
| NOFKW | -1.8371639 | 2.5872373 |
| INCOME | .13690250E-03 | .12225592E-03 |
| ETH2 | .47075126 | 1.5500906 |
| SEX | .10385575E-01 | .68154446 |
| OCCUP | .47179397E-01 | .17141119 |
| LANG | 1.5167161 | 1.8926756 |
| ENTAGE | -.11374269 | .95572348E-01 |
| NOOCCUP | -.18697589 | 2.1710804 |
| ETH1 | 2.5576010 | 1.1496172 |
| NOINC | -.57874119 | 2.1829948 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .27379344 | .29702900E-01 |
| NOFKW | .64008838 | 2.6397628 |
| INCOME | .99193585E-04 | .12473793E-03 |
| ETH2 | -.83014012 | 1.5815601 |
| SEX | .80488297E-01 | .69538101 |
| OCCUP | .45120297E-01 | .17489114 |
| LANG | 3.1107392 | 1.9311003 |
| ENTAGE | -.44928193E-01 | .97512634E-01 |
| NOOCCUP | .16617789 | 2.2151571 |
| ETH1 | 1.7467761 | 1.1729564 |
| NOINC | -.15917292 | 2.2273134 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .22185838 | .30040104E-01 |
| NOFKW | -.14475784 | 2.6697309 |
| INCOME | .87202170E-04 | .12615403E-03 |
| ETH2 | -.53560281 | 1.5995149 |
| SEX | .80236115 | .70327538 |
| OCCUP | -.77312852E-02 | .17687660 |
| LANG | 1.2576424 | 1.9530232 |
| ENTAGE | -.70880848E-01 | .98619654E-01 |
| NOOCCUP | .18212276 | 2.2483049 |
| ETH1 | .69348990 | 1.1862725 |
| NOINC | -.76440899E-01 | 2.2525992 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .20876908 | .26270935E-01 |
| NOFKW | 1.8653408 | 2.3347564 |
| INCOME | .73844998E-04 | .11032533E-03 |
| ETH2 | -.33888307 | 1.3988218 |
| SEX | .14609029 | .61503454 |
| OCCUP | .32338050E-01 | .15468387 |
| LANG | 1.5185650 | 1.7079750 |
| ENTAGE | -.55084167E-01 | .86245723E-01 |
| NOOCCUP | -.10583638 | 1.9592110 |
| ETH1 | 1.5515366 | 1.0374294 |
| NOINC | .32351420 | 1.9699627 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .11824069 | .14308776E-01 |
| NOFKW | -.18787417 | 1.2716528 |
| INCOME | .34512811E-04 | .60089996E-04 |
| ETH2 | -.18244016 | .76188486 |
| SEX | .13507738 | .33498585 |
| OCCUP | -.81113411E-02 | .84250295E-01 |
| LANG | .66525717 | .93026881 |
| ENTAGE | -.24745165E-01 | .46974755E-01 |
| NOOCCUP | .28931779 | 1.0671075 |
| ETH1 | .37268366 | .56504823 |
| NOINC | -.22972443 | 1.0729435 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .18142678 | .25521380E-01 |
| NOFKW | -.16667469 | 2.2681418 |
| INCOME | .14096579E-03 | .10717756E-03 |
| ETH2 | -.37150220 | 1.3589110 |
| SEX | .63019409 | .59748655 |
| OCCUP | .12854895 | .15027028 |
| LANG | 2.0276579 | 1.6592435 |
| ENTAGE | -.47002765E-01 | .83784984E-01 |
| NOOCCUP | -1.2656674 | 1.9033114 |
| ETH1 | 1.3869990 | 1.0078298 |
| NOINC | .29555243 | 1.9137563 |

## Table C4-IIIK(PS)-25

### REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K PRESCHOOL ADJUSTED LOCAL ANALYSES FOR THE BANK STREET MODEL

**CODE**

SEX = Sex
ENTAGE = Entry Age
INCOME = Income
NOOCCUP = Missing Occupation
OCCUP = Occupation
NOINC = Missing Income
ETH2 = White vs. Other
ETH1 = White vs. Black
LANG = First Language
PSSOME = Some Preschool
PSHS = Head Start
FKW = Fall Kindergarten WRAT
FKWHS = FKW x Head Start
FKWSOME = FKW x Some Preschool

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .13798849 | 1.8001191 |
| ENTAGE | -.19007336 | .24798118 |
| INCOME | .29086954E-03 | .32212553E-03 |
| NOOCCUP | -.10790108E-01 | 5.2335245 |
| OCCUP | .34175505E-01 | .45360065 |
| NOINC | -.98203219 | 5.2834019 |
| ETH2 | -2.0921597 | 4.4253740 |
| ETH1 | 3.8833686 | 3.1478232 |
| LANG | 4.6930953 | 5.1265188 |
| PSSOME | .66744823E-01 | 5.2792198 |
| PSHS | -9.1171514 | 7.9273693 |
| FKW | .76528524 | .10374611 |
| FKWHS | .11661447 | .24816419 |
| FKWSOME | -.10312707 | .15964414 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .58984438 | .79190671 |
| ENTAGE | -.85257911E-01 | .10909165 |
| INCOME | .19645310E-03 | .14170916E-03 |
| NOOCCUP | -1.1459143 | 2.3023273 |
| OCCUP | .12125612 | .19954758 |
| NOINC | -.26292529 | 2.3242693 |
| ETH2 | -.95822218 | 1.9468065 |
| ETH1 | 2.0912468 | 1.3847875 |
| LANG | 2.3957428 | 2.2552534 |
| PSSOME | -.76277693 | 2.3224295 |
| PSHS | -4.0410322 | 3.4874010 |
| FKW | .31391956 | .45639891E-01 |
| FKWHS | .96165596E-01 | .10917212 |
| FKWSOME | -.43938717E-02 | .70230503E-01 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .62665987 | .81229081 |
| ENTAGE | -.88397890E-02 | .11189973 |
| INCOME | .62329263E-04 | .14535683E-03 |
| NOOCCUP | .78577051 | 2.3615904 |
| OCCUP | .13646699 | .20468404 |
| NOINC | -.92688870 | 2.3840972 |
| ETH2 | -.48934134 | 1.9969183 |
| ETH1 | 1.6239319 | 1.4204327 |
| LANG | 1.7767580 | 2.3133048 |
| PSSOME | -.55443952 | 2.3822101 |
| PSHS | -2.7284364 | 3.5771685 |
| FKW | .15768967 | .46814686E-01 |
| FKWHS | .52022129E-01 | .11198226 |
| FKWSOME | .37157419E-03 | .72038274E-01 |

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.52831816 | 1.5239970 |
| ENTAGE | -.30890554 | .20994311 |
| INCOME | .41061036E-03 | .27271438E-03 |
| NOOCCUP | -.66495248 | 4.4307490 |
| OCCUP | .78622534E-01 | .38402240 |
| NOINC | -1.3796427 | 4.4729757 |
| ETH2 | -.38659641 | 3.7465616 |
| ETH1 | 5.1454178 | 2.6649755 |
| LANG | 3.4595070 | 4.3401570 |
| PSSOME | -.53462020 | 4.4694351 |
| PSHS | -11.721468 | 6.7113823 |
| FKW | .73322610 | .87832388E-01 |
| FKWHS | .30918600 | .21009795 |
| FKWSOME | -.68192915E-01 | .13515617 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 2.3655030 | 1.2113022 |
| ENTAGE | -.20171165 | .16686683 |
| INCOME | .21389562E-03 | .21675864E-03 |
| NOOCCUP | -3.3675638 | 3.5216447 |
| OCCUP | .85702101E-02 | .30522840 |
| NOINC | 1.5985436 | 3.5552073 |
| ETH2 | -1.6596760 | 2.9778393 |
| ETH1 | .41662549 | 2.1181739 |
| LANG | -1.4178404 | 3.4496405 |
| PSSOME | -1.6997090 | 3.5523932 |
| PSHS | -9.1473507 | 5.3343360 |
| FKW | .49088831 | .69810875E-01 |
| FKWHS | .19845767 | .16698990 |
| FKWSOME | -.93598258E-02 | .10742473 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.1404668 | .45625915 |
| ENTAGE | -.39234033E-02 | .62853445E-01 |
| INCOME | .20429676E-04 | .81646111E-04 |
| NOOCCUP | -.89105854 | 1.3264919 |
| OCCUP | .11076900E-01 | .11496987 |
| NOINC | .76491628 | 1.3391339 |
| ETH2 | -1.9107309 | 1.1216577 |
| ETH1 | 1.4500573 | .79784898 |
| LANG | .30907178 | 1.2993702 |
| PSSOME | .30930573 | 1.3380739 |
| PSHS | -.25281552 | 2.0092753 |
| FKW | .16673631 | .26295544E-01 |
| FKWHS | .97318839E-02 | .62899804E-01 |
| FKWSOME | -.15280089E-01 | .40463490E-01 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .26507873 | .25712989 |
| ENTAGE | -.10982579E-01 | .35421753E-01 |
| INCOME | -.11146535E-04 | .46012568E-04 |
| NOOCCUP | -.33167259 | .74755919 |
| OCCUP | -.29195703E-01 | .64792538E-01 |
| NOINC | .51615439 | .75468371 |
| ETH2 | -.48646222 | .63212259 |
| ETH1 | -.29833393E-01 | .44963661 |
| LANG | -.14638879 | .73227445 |
| PSSOME | -.57672605 | .75408634 |
| PSHS | -.41080979 | 1.1323493 |
| FKW | .57989428E-01 | .14819144E-01 |
| FKWHS | -.63687626E-02 | .35447880E-01 |
| FKWSOME | .11859852E-01 | .22803647E-01 |

# Table C4-IIIK(PS)-25 (cont.)

## IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .14902609 | .29961988 |
| ENTAGE | -.59742145E-02 | .41275099E-01 |
| INCOME | -.42940817E-05 | .53616016E-04 |
| NOOCCUP | -.10704246 | .87109126 |
| OCCUP | .72184875E-02 | .75499323E-01 |
| NOINC | .19731256 | .87939307 |
| ETH2 | -.69333904 | .73657908 |
| ETH1 | -.60145390 | .52393780 |
| LANG | .17109689 | .85328075 |
| PSSOME | -.37849946 | .87869699 |
| PSHS | -1.6067463 | 1.3194669 |
| FKW | .35068782E-01 | .17267966E-01 |
| FKWHS | .44144659E-01 | .41305542E-01 |
| FKWSOME | .68512307E-02 | .26571886E-01 |

## MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.39545258 | .96384233 |
| ENTAGE | -.18913930 | .13277720 |
| INCOME | .25452491E-03 | .17247649E-03 |
| NOOCCUP | -.41610876 | 2.8021993 |
| OCCUP | .30283043E-01 | .24287255 |
| NOINC | -.63894851 | 2.8289053 |
| ETH2 | -.80877548 | 2.3694893 |
| ETH1 | 2.7731786 | 1.6854470 |
| LANG | 2.1263769 | 2.7449050 |
| PSSOME | -.78163737 | 2.8266661 |
| PSHS | -6.2046771 | 4.2445715 |
| FKW | .46112087 | .55549041E-01 |
| FKWHS | .14721904 | .13287513 |
| FKWSOME | -.38682058E-01 | .85478669E-01 |

## MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.13286558 | .67996921 |
| ENTAGE | -.11976624 | .93671343E-01 |
| INCOME | .15608045E-03 | .12167831E-03 |
| NOOCCUP | -.24884373 | 1.9768890 |
| OCCUP | .48339492E-01 | .17134115 |
| NOINC | -.74069420 | 1.9957294 |
| ETH2 | .42217907 | 1.6716217 |
| ETH1 | 2.3722392 | 1.1890452 |
| LANG | 1.3331300 | 1.9364691 |
| PSSOME | .24701717 | 1.9941497 |
| PSHS | -5.5167914 | 2.9944503 |
| FKW | .27210524 | .39188606E-01 |
| FKWHS | .16196696 | .93740432E-01 |
| FKWSOME | -.29510657E-01 | .60303289E-01 |

## MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.16679720 | .69361328 |
| ENTAGE | -.46943451E-01 | .95550926E-01 |
| INCOME | .11219722E-03 | .12411987E-03 |
| NOOCCUP | .27209763 | 2.0165567 |
| OCCUP | .33844458E-01 | .17477924 |
| NOINC | -.75655652 | 2.0357752 |
| ETH2 | -1.2084066 | 1.7051640 |
| ETH1 | 1.5528580 | 1.2129042 |
| LANG | 3.1461224 | 1.9753258 |
| PSSOME | .52110615 | 2.0341638 |
| PSHS | -3.9089747 | 3.0545361 |
| FKW | .30906524 | .39974954E-01 |
| FKWHS | .49940323E-01 | .95621402E-01 |
| FKWSOME | -.63772042E-01 | .61513319E-01 |

## MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .47514240 | .71770048 |
| ENTAGE | -.94665348E-01 | .98869135E-01 |
| INCOME | .93849655E-04 | .12843020E-03 |
| NOOCCUP | -.16143995 | 2.0865859 |
| OCCUP | -.28147065E-01 | .18084882 |
| NOINC | -.21981624 | 2.1064718 |
| ETH2 | -.46673156 | 1.7643794 |
| ETH1 | .73968342 | 1.2550249 |
| LANG | .50318602 | 2.0439231 |
| PSSOME | -.74560159 | 2.1048044 |
| PSHS | -4.1490009 | 3.1606113 |
| FKW | .22255876 | .41363169E-01 |
| FKWHS | .86725669E-01 | .98942058E-01 |
| FKWSOME | .78365373E-04 | .63649499E-01 |

## MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.17035672 | .61563346 |
| ENTAGE | -.48464560E-01 | .84808565E-01 |
| INCOME | .84822657E-04 | .11016563E-03 |
| NOOCCUP | -.12144779 | 1.7898443 |
| OCCUP | .28478112E-01 | .15512959 |
| NOINC | -.56574358E-02 | 1.8069022 |
| ETH2 | -.41702155 | 1.5134601 |
| ETH1 | 1.5908272 | 1.0765429 |
| LANG | .98378690 | 1.7532488 |
| PSSOME | .29124027 | 1.8054719 |
| PSHS | -1.0591758 | 2.7111284 |
| FKW | .23366124 | .35480750E-01 |
| FKWHS | -.20051520E-01 | .84871118E-01 |
| FKWSOME | -.39433396E-01 | .54597653E-01 |

## MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .81148707E-02 | .34465630 |
| ENTAGE | -.31604283E-01 | .47479235E-01 |
| INCOME | .34126138E-04 | .61675138E-04 |
| NOOCCUP | .17877573 | 1.0020266 |
| OCCUP | -.20204968E-01 | .86847766E-01 |
| NOINC | -.43343752 | 1.0115763 |
| ETH2 | -.13032003 | .84729564 |
| ETH1 | .15365571 | .60269186 |
| LANG | .63292751 | .98153896 |
| PSSOME | -.49340171 | 1.0107756 |
| PSHS | -2.3944520 | 1.5177984 |
| FKW | .12231740 | .19863546E-01 |
| FKWHS | .50208969E-01 | .47514255E-01 |
| FKWSOME | .16052236E-02 | .30565955E-01 |

## MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .58172950 | .59859199 |
| ENTAGE | -.53653628E-01 | .82460963E-01 |
| INCOME | .16232696E-03 | .10711612E-03 |
| NOOCCUP | -1.3246901 | 1.7402993 |
| OCCUP | .14146109 | .15083542 |
| NOINC | .17051223 | 1.7568849 |
| ETH2 | -.82790215 | 1.4715657 |
| ETH1 | 1.9375911 | 1.0467429 |
| LANG | 1.7628153 | 1.7047167 |
| PSSOME | -.26937722 | 1.7554943 |
| PSHS | -1.6465803 | 2.6360811 |
| FKW | .19160216 | .34498600E-01 |
| FKWHS | .45956626E-01 | .82521784E-01 |
| FKWSOME | -.59990952E-02 | .53086325E-01 |

Table C4-IIIK(PS)-26

### TREATMENT REGRESSION COEFFICIENTS AND STANDARD ERRORS BY OUTCOME FOR HEAD START STUDIES OF COHORT III-K SITES IN THE BANK STREET MODEL

| | New York, NY | | Philadelphia, PA | | Brattleboro, VT | | Fall River, MA | | New Haven, CT | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local |
| Word Knowledge b | -1.57 | -1.51 | -3.48** | -3.83* | -1.17 | -2.07 | -6.87** | -5.64 | -.29 | .20 |
| Standard Error | .88 | 2.06 | .78 | 1.62 | 2.34 | 4.41 | 1.28 | 3.01 | 2.10 | 4.87 |
| Spelling b | -3.33* | -4.41 | -5.99** | -6.13** | -6.25** | -6.48 | -7.37** | -5.90 | -.92 | -2.86 |
| Standard Error | 1.23 | 2.59 | .86 | 2.03 | 2.14 | 5.54 | 1.52 | 3.78 | 2.71 | 6.11 |
| Language b | -3.31** | -3.88** | -.73 | -.81 | -5.97** | -6.62 | 4.17** | 3.11 | 1.69 | 2.05 |
| Standard Error | .73 | 1.69 | .63 | 1.33 | 1.77 | 3.62 | 1.23 | 2.47 | 1.67 | 4.00 |
| Math Computations b | -2.12* | -3.14* | -.43 | -.50 | -8.48** | 8.65** | -.78 | -.43 | -6.24** | -5.23 |
| Standard Error | .81 | 1.53 | .53 | 1.20 | 1.35 | 3.28 | .83 | 2.24 | 1.77 | 3.62 |
| Raven's b | -2.12** | -2.21** | -2.09** | -2.16** | 1.17 | -.08 | .04 | -.30 | -.34 | .87 |
| Standard Error | .42 | .98 | .42 | .77 | 1.01 | 2.09 | .59 | 1.42 | .80 | 2.30 |
| Reading b | -.70 | -.39 | -1.21* | -1.38 | -3.31 | -4.19 | -2.86** | -2.09 | 1.14 | 2.18 |
| Standard Error | .72 | 1.45 | .48 | 1.14 | 1.99 | 3.11 | .91 | 2.12 | 1.57 | 3.43 |
| Math Concepts b | -2.17** | -2.54 | -2.03** | -1.97 | -6.02** | -6.51** | -.76 | -.21 | -1.36 | -1.43 |
| Standard Error | .63 | 1.48 | .54 | 1.16 | 1.72 | 3.17 | .80 | 2.16 | 1.29 | 3.50 |
| Math Problem Solving b | -1.51* | -1.73 | -2.16** | -1.97 | -5.09** | -5.25 | .34 | .49 | 1.62 | 1.00 |
| Standard Error | .64 | 1.32 | .44 | 1.03 | 1.69 | 2.82 | .84 | 1.92 | 1.07 | 3.11 |
| Coopersmith b | -2.89** | -3.55** | -1.98** | -2.09 | -1.51 | -2.32 | -.83 | .08 | 1.01 | -1.17 |
| Standard Error | .77 | 1.74 | .72 | 1.36 | 1.18 | 3.72 | .98 | 2.53 | 1.69 | 4.10 |
| IARS(-) b | -.51 | -.72 | -.30 | -.35 | -3.00** | -3.43** | .89* | .13 | 2.41** | -2.13 |
| Standard Error | .27 | .64 | .27 | .50 | .77 | 1.37 | .42 | .94 | .64 | 1.51 |
| IARS(+) b | -.45 | -.52 | -.52* | -.58 | -.70 | -.65 | -.31 | .10 | .60 | .51 |
| Standard Error | .24 | .55 | .25 | .43 | .70 | 1.18 | .33 | .80 | .48 | 1.30 |
| Total Reading b | -2.26 | -1.89 | -4.69** | -5.71** | -4.48 | -6.26 | -9.73** | -7.73 | .85 | 2.38 |
| Standard Error | 1.49 | 3.26 | 1.17 | 2.56 | 4.05 | 6.98 | 2.07 | 4.76 | 3.52 | 7.69 |
| Total Math b | -5.80** | -7.41 | -4.62** | -4.44 | -19.59** | -20.42** | -1.21 | -.16 | -5.99 | -5.66 |
| Standard Error | 1.82 | 3.85 | 1.22 | 3.02 | 4.30 | 8.24 | 2.19 | 5.62 | 3.81 | 9.09 |
| Language Part A b | -.04 | -.26 | -.22 | -.29 | -.03 | .05 | .08 | .19 | .04 | .00 |
| Standard Error | .33 | .74 | .31 | .58 | .81 | 1.58 | .46 | 1.08 | .48 | 1.74 |
| Language Part B b | -3.28** | -3.62** | -.51 | -.52 | -5.94** | -6.67* | 4.09** | 2.92 | 1.64 | 2.04 |
| Standard Error | .55 | 1.28 | .46 | 1.00 | 1.51 | 2.74 | .91 | 1.87 | 1.37 | 3.02 |

* p< .05
** p< .01

Table C4-IIIK(PS)-27

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR BANK STREET MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 46 | 123 | 95 | 264 | 61 | 155 | 371 | 587 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 28.28 | 34.89 | 28.03 | 31.27 | 30.79 | 31.51 | 26.47 | 28.25 |
| STANDARD DEVIATION | 9.30 | 12.71 | 13.30 | 12.82 | 12.45 | 12.23 | 11.51 | 12.01 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.93 | 14.70 | 14.24 | 14.36 | 13.39 | 14.60 | 13.92 | 14.00 |
| STANDARD DEVIATION | 1.60 | 2.48 | 1.91 | 2.12 | 1.63 | 2.35 | 1.68 | 1.91 |
| NUMBER | 42 | 70 | 49 | 161 | 31 | 43 | 90 | 164 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4883.29 | 5562.16 | 6106.75 | 5532.80 | 5334.45 | 6820.16 | 6220.74 | 6224.97 |
| STANDARD DEVIATION | 2512.30 | 3073.90 | 2592.77 | 2817.66 | 2305.24 | 2807.59 | 2848.61 | 2774.29 |
| MEDIAN | 4299.50 | 5066.33 | 6233.17 | 5155.78 | 5633.67 | 7200.00 | 6728.57 | 6236.18 |
| NUMBER | 42 | 69 | 44 | 155 | 29 | 44 | 86 | 159 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 4.76 | 15.94 | 6.82 | 10.32 | 3.45 | 29.55 | 18.60 | 18.87 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 54.35 | 13.82 | 31.58 | 27.27 | 11.48 | 9.68 | 14.56 | 12.95 |
| PERCENT BLACK | 43.48 | 86.18 | 68.42 | 72.35 | 72.13 | 86.45 | 81.40 | 81.77 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 50.00 | 49.59 | 56.84 | 52.27 | 47.54 | 58.71 | 52.02 | 53.32 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.08 | 63.16 | 62.63 | 62.95 | 62.52 | 62.39 | 62.42 | 62.42 |
| STANDARD DEVIATION | 3.22 | 3.81 | 3.69 | 3.66 | 3.66 | 3.91 | 3.65 | 3.72 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 98.37 | 90.53 | 95.83 | 85.25 | 97.42 | 90.57 | 91.82 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.40 | 12.52 | 11.31 | 11.80 | 10.93 | 12.12 | 10.09 | 10.81 |
| STANDARD DEVIATION | 1.97 | 2.43 | 2.33 | 2.34 | 2.20 | 2.38 | 3.76 | 3.26 |
| NUMBER | 41 | 66 | 46 | 153 | 32 | 46 | 88 | 166 |
| PERCENT HS GRAD | 43.90 | 66.67 | 41.30 | 52.94 | 31.25 | 54.35 | 31.82 | 37.95 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 47.62 | 37.50 | 25.49 | 36.36 | 56.25 | 29.79 | 26.67 | 33.14 |
| NUMBER | 42 | 72 | 51 | 165 | 32 | 47 | 90 | 169 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 17.42 | 100.00 | 0.00 | 0.00 | 10.39 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 46.59 | 0.00 | 100.00 | 0.00 | 26.41 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 35.98 | 0.00 | 0.00 | 100.00 | 63.20 |

## Table C4-IIIK(PS)-28

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR BANK STREET MODEL IN NEW YORK, NY

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 10 | 46 | 24 | 80 | 37 | 43 | 73 | 153 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 32.30 | 37.00 | 31.92 | 34.89 | 31.32 | 34.28 | 27.11 | 30.14 |
| STANDARD DEVIATION | 10.54 | 11.56 | 14.08 | 12.35 | 11.78 | 13.19 | 11.87 | 12.54 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.30 | 14.44 | 14.32 | 14.21 | 13.28 | 14.38 | 14.80 | 14.05 |
| STANDARD DEVIATION | 1.25 | 2.14 | 1.97 | 1.98 | 1.71 | 2.39 | 1.86 | 1.99 |
| NUMBER | 10 | 32 | 19 | 61 | 18 | 8 | 15 | 41 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4380.00 | 5139.90 | 5053.85 | 4975.42 | 5811.76 | 7016.33 | 6024.75 | 6091.29 |
| STANDARD DEVIATION | 2759.95 | 3133.48 | 1954.32 | 2785.84 | 1775.49 | 2590.61 | 2977.47 | 2351.65 |
| MEDIAN | 3450.00 | 4799.50 | 5150.00 | 4950.25 | 5700.00 | 5300.00 | 6200.00 | 5766.33 |
| NUMBER | 10 | 30 | 13 | 53 | 17 | 6 | 12 | 35 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 10.00 | 0.00 | 5.66 | 0.00 | 33.33 | 25.00 | 14.29 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.33 | 2.74 | 1.96 |
| PERCENT BLACK | 100.00 | 100.00 | 100.00 | 100.00 | 72.97 | 90.70 | 90.41 | 86.27 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 50.00 | 45.65 | 58.33 | 50.00 | 45.95 | 55.81 | 47.95 | 49.67 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 62.74 | 63.81 | 62.34 | 63.24 | 62.51 | 64.05 | 62.61 | 62.99 |
| STANDARD DEVIATION | 2.97 | 3.66 | 3.46 | 3.55 | 3.64 | 3.92 | 3.39 | 3.64 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 75.68 | 95.35 | 90.41 | 88.24 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 10.87 | 12.42 | 11.90 | 11.99 | 10.59 | 11.41 | 9.83 | 10.48 |
| STANDARD DEVIATION | 2.20 | 2.15 | 1.30 | 2.02 | 2.32 | 3.52 | 3.66 | 3.06 |
| NUMBER | 10 | 29 | 15 | 54 | 19 | 8 | 15 | 42 |
| PERCENT HS GRAD | 40.00 | 68.97 | 40.00 | 55.56 | 26.32 | 50.00 | 26.67 | 30.95 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 50.00 | 33.33 | 25.00 | 33.33 | 47.37 | 0.00 | 26.67 | 30.95 |
| NUMBER | 10 | 33 | 20 | 63 | 19 | 8 | 15 | 42 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 12.50 | 100.00 | 0.00 | 0.00 | 24.18 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 57.50 | 0.00 | 100.00 | 0.00 | 28.10 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 30.00 | 0.00 | 0.00 | 100.00 | 47.71 |

## Table C4-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR BANK STREET MODEL IN PHILADELPHIA, PA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 3 | 57 | 38 | 98 | 13 | 98 | 243 | 354 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 32.33 | 33.30 | 26.95 | 30.81 | 28.08 | 29.71 | 26.26 | 27.28 |
| STANDARD DEVIATION | 3.06 | 12.82 | 13.80 | 13.31 | 16.42 | 11.30 | 11.43 | 11.67 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 12.00 | 13.53 | 13.14 | 13.37 | 13.50 | 14.04 | 13.17 | 13.60 |
| STANDARD DEVIATION | 0.00 | 2.01 | 1.95 | 1.94 | 1.91 | 2.20 | 1.52 | 1.90 |
| NUMBER | 1 | 19 | 7 | 27 | 4 | 24 | 24 | 52 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 3200.00 | 5014.90 | 4375.00 | 4775.79 | 5325.00 | 6243.76 | 4621.74 | 5455.65 |
| STANDARD DEVIATION | 0.00 | 2972.55 | 2310.07 | 2739.61 | 2611.99 | 2882.10 | 2554.67 | 2782.98 |
| MEDIAN | 3200.00 | 4800.00 | 3200.00 | 4200.00 | 6200.00 | 6200.00 | 3283.33 | 5300.00 |
| NUMBER | 1 | 20 | 8 | 29 | 4 | 25 | 23 | 52 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 10.00 | 0.00 | 6.90 | 0.00 | 24.00 | 0.00 | 11.54 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | .41 | 1.13 |
| PERCENT BLACK | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 94.90 | 95.47 | 95.48 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 33.33 | 50.88 | 42.11 | 46.94 | 53.85 | 60.20 | 53.50 | 55.37 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 59.93 | 62.46 | 62.12 | 62.25 | 61.81 | 61.50 | 62.15 | 61.96 |
| STANDARD DEVIATION | 1.75 | 3.59 | 3.28 | 3.44 | 4.07 | 3.45 | 3.63 | 3.60 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 98.98 | 96.30 | 97.18 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 13.00 | 12.31 | 11.34 | 12.05 | 11.46 | 12.18 | 11.25 | 11.71 |
| STANDARD DEVIATION | 0.00 | 1.39 | 1.71 | 1.51 | 1.02 | 1.31 | 1.56 | 1.46 |
| NUMBER | 1 | 18 | 8 | 27 | 4 | 25 | 23 | 52 |
| PERCENT HS GRAD | 100.00 | 55.56 | 37.50 | 51.85 | 25.00 | 52.00 | 26.09 | 38.46 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 100.00 | 55.00 | 75.00 | 62.07 | 25.00 | 42.31 | 54.17 | 46.30 |
| NUMBER | 1 | 20 | 8 | 29 | 4 | 26 | 24 | 54 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 3.06 | 100.00 | 0.00 | 0.00 | 3.67 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 58.16 | 0.00 | 100.00 | 0.00 | 27.68 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 38.78 | 0.00 | 0.00 | 100.00 | 68.64 |

Table C4-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR BANK STREET MODEL IN BRATTLEBORO, VT

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 5 | 5 | 7 | 17 | 0 | 8 | 16 | 24 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 26.00 | 43.00 | 28.29 | 31.94 | 0.00 | 39.87 | 32.06 | 34.67 |
| STANDARD DEVIATION | 3.94 | 18.43 | 12.89 | 14.36 | 0.00 | 11.00 | 11.26 | 11.56 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 12.60 | 16.80 | 14.57 | 14.65 | 0.00 | 16.88 | 15.12 | 15.71 |
| STANDARD DEVIATION | .89 | 2.49 | 2.23 | 2.52 | 0.00 | 1.96 | 2.06 | 2.16 |
| NUMBER | 5 | 5 | 7 | 17 | 0 | 8 | 16 | 24 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4600.00 | 6279.80 | 5942.71 | 5646.94 | 0.00 | 9162.00 | 8030.81 | 8407.87 |
| STANDARD DEVIATION | 2310.84 | 2879.26 | 2971.78 | 2687.99 | 0.00 | 1216.09 | 2424.14 | 2139.92 |
| MEDIAN | 4150.00 | 6200.00 | 6200.00 | 5200.00 | 0.00 | 9899.50 | 8950.00 | 9299.50 |
| NUMBER | 5 | 5 | 7 | 17 | 0 | 8 | 16 | 24 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 20.00 | 14.29 | 11.76 | 0.00 | 50.00 | 43.75 | 45.83 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 100.00 | 100.00 | 100.00 |
| PERCENT BLACK | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 100.00 | 40.00 | 100.00 | 82.35 | 0.00 | 50.00 | 68.75 | 62.50 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 64.47 | 63.58 | 61.49 | 62.98 | 0.00 | 62.92 | 60.90 | 61.58 |
| STANDARD DEVIATION | 4.05 | 3.09 | 3.24 | 3.50 | 0.00 | 6.33 | 2.82 | 4.28 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.49 | 13.80 | 11.98 | 12.68 | 0.00 | 13.87 | 13.24 | 13.45 |
| STANDARD DEVIATION | 1.02 | 1.10 | 2.26 | 1.80 | 0.00 | 2.91 | 1.78 | 2.18 |
| NUMBER | 4 | 5 | 7 | 16 | 0 | 8 | 16 | 24 |
| PERCENT HS GRAD | 75.00 | 100.00 | 57.14 | 75.00 | 0.00 | 87.50 | 81.25 | 83.33 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 40.00 | 20.00 | 14.29 | 23.53 | 0.00 | 12.50 | 0.00 | 4.17 |
| NUMBER | 5 | 5 | 7 | 17 | 0 | 8 | 16 | 24 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 29.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 29.41 | 0.00 | 100.00 | 0.00 | 33.33 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 41.18 | 0.00 | 0.00 | 100.00 | 66.67 |

Table C4-IIIK(PS)-28 (cont.)

## BACKGROUND VARIABLES
## FOR FT AND NFT CHILDREN
## IN COHORT III-K PRESCHOOL SAMPLE
## FOR BANK STREET MODEL IN FALL RIVER, MA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 20 | 7 | 22 | 49 | 4 | 4 | 34 | 42 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 25.40 | 26.71 | 25.45 | 25.61 | 27.75 | 38.00 | 25.18 | 26.64 |
| STANDARD DEVIATION | 9.63 | 9.86 | 12.53 | 10.85 | 9.88 | 9.90 | 11.14 | 11.35 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.39 | 13.57 | 14.08 | 14.14 | 13.67 | 13.67 | 13.50 | 13.53 |
| STANDARD DEVIATION | 1.46 | 1.13 | 1.24 | 1.34 | 2.08 | 1.15 | .94 | 1.03 |
| NUMBER | 18 | 7 | 12 | 37 | 3 | 3 | 30 | 36 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 5338.83 | 5257.00 | 7808.25 | 6124.24 | 2400.00 | 6299.67 | 6573.20 | 6202.64 |
| STANDARD DEVIATION | 2513.42 | 2836.30 | 2075.94 | 2653.43 | 854.40 | 3438.94 | 2419.54 | 2631.74 |
| MEDIAN | 5000.00 | 4400.00 | 8200.00 | 5749.75 | 2500.00 | 5700.00 | 6800.00 | 6300.00 |
| NUMBER | 18 | 7 | 12 | 37 | 3 | 3 | 30 | 36 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 5.56 | 14.29 | 8.33 | 8.11 | 0.00 | 33.33 | 13.33 | 13.89 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 90.00 | 100.00 | 100.00 | 95.92 | 100.00 | 75.00 | 100.00 | 97.62 |
| PERCENT BLACK | 5.00 | 0.00 | 0.00 | 2.04 | 0.00 | 25.00 | 0.00 | 2.38 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 45.00 | 71.43 | 68.18 | 59.18 | 75.00 | 50.00 | 41.18 | 45.24 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.50 | 61.81 | 64.04 | 63.50 | 63.85 | 63.91 | 64.76 | 64.59 |
| STANDARD DEVIATION | 3.15 | 2.06 | 4.69 | 3.82 | 2.73 | 3.95 | 3.95 | 3.79 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 71.43 | 59.09 | 77.55 | 100.00 | 100.00 | 44.12 | 54.76 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 10.88 | 9.54 | 9.76 | 10.26 | 9.63 | 9.95 | 7.28 | 7.71 |
| STANDARD DEVIATION | 2.13 | 3.26 | 3.36 | 2.78 | 2.92 | 1.73 | 4.23 | 4.04 |
| NUMBER | 18 | 7 | 12 | 37 | 3 | 3 | 29 | 35 |
| PERCENT HS GRAD | 22.22 | 28.57 | 25.00 | 24.32 | 33.33 | 0.00 | 10.34 | 11.43 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 50.00 | 42.86 | 8.33 | 35.14 | 100.00 | 33.33 | 16.67 | 25.00 |
| NUMBER | 18 | 7 | 12 | 37 | 3 | 3 | 30 | 36 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 40.82 | 100.00 | 0.00 | 0.00 | 9.52 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 14.29 | 0.00 | 100.00 | 0.00 | 9.52 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 44.90 | 0.00 | 0.00 | 100.00 | 80.95 |

Table C4-IIIK(PS)-28 (cont.)

## BACKGROUND VARIABLES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR BANK STREET MODEL IN NEW HAVEN, CT

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 8 | 8 | 4 | 20 | 7 | 2 | 5 | 14 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 30.37 | 36.12 | 28.75 | 32.35 | 34.71 | 13.50 | 18.60 | 25.93 |
| STANDARD DEVIATION | 9.38 | 14.11 | 7.80 | 11.21 | 9.34 | 13.44 | 9.24 | 12.90 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.75 | 18.71 | 15.75 | 16.42 | 13.50 | 0.00 | 13.60 | 13.55 |
| STANDARD DEVIATION | 1.91 | .76 | 2.36 | 2.43 | 1.38 | 0.00 | 1.34 | 1.29 |
| NUMBER | 8 | 7 | 4 | 19 | 6 | 0 | 5 | 11 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4874.87 | 8728.00 | 8174.75 | 6989.16 | 5479.80 | 4850.00 | 6139.60 | 5649.75 |
| STANDARD DEVIATION | 2724.62 | 1989.31 | 2239.33 | 2918.35 | 3413.90 | 3323.40 | 4339.10 | 3510.55 |
| MEDIAN | 4200.00 | 9624.00 | 7799.50 | 7700.00 | 5000.00 | 4850.00 | 7700.00 | 5250.00 |
| NUMBER | 8 | 7 | 4 | 19 | 5 | 2 | 5 | 12 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 12.50 | 57.14 | 25.00 | 31.58 | 20.00 | 0.00 | 40.00 | 25.00 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 25.00 | 62.50 | 25.00 | 40.00 | 42.86 | 0.00 | 20.00 | 28.57 |
| PERCENT BLACK | 75.00 | 37.50 | 75.00 | 60.00 | 57.14 | 50.00 | 80.00 | 64.29 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 37.50 | 50.00 | 50.00 | 45.00 | 28.57 | 100.00 | 60.00 | 50.00 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 62.74 | 65.25 | 63.39 | 63.88 | 63.08 | 65.43 | 61.31 | 62.78 |
| STANDARD DEVIATION | 3.40 | 6.37 | 2.25 | 4.63 | 3.89 | .73 | 2.88 | 3.40 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 50.00 | 100.00 | 92.86 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.49 | 15.57 | 12.49 | 13.62 | 12.31 | 10.48 | 11.77 | 11.82 |
| STANDARD DEVIATION | .95 | 1.51 | 1.02 | 1.90 | 1.66 | 3.57 | 1.12 | 1.75 |
| NUMBER | 8 | 7 | 4 | 19 | 6 | 2 | 5 | 13 |
| PERCENT HS GRAD | 75.00 | 100.00 | 75.00 | 84.21 | 50.00 | 50.00 | 40.00 | 46.15 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 37.50 | 14.29 | 0.00 | 21.05 | 83.33 | 50.00 | 40.00 | 61.54 |
| NUMBER | 8 | 7 | 4 | 19 | 6 | 2 | 5 | 13 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 40.00 | 100.00 | 0.00 | 0.00 | 50.00 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 40.00 | 0.00 | 100.00 | 0.00 | 14.29 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 20.00 | 0.00 | 0.00 | 100.00 | 35.71 |

## Table C4-IIIK(PS)-29

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR BANK STREET MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 46 | 123 | 95 | 264 | 61 | 155 | 371 | 587 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 24.13 | 24.00 | 22.65 | 23.54 | 26.39 | 23.84 | 23.75 | 24.05 |
| STANDARD DEVIATION | 10.55 | 10.78 | 11.17 | 10.86 | 10.96 | 10.36 | 10.78 | 10.70 |
| SPELLING | | | | | | | | |
| MEAN | 17.07 | 18.54 | 16.36 | 17.50 | 21.11 | 20.76 | 20.73 | 20.78 |
| STANDARD DEVIATION | 11.49 | 12.57 | 12.88 | 12.49 | 13.40 | 11.88 | 12.86 | 12.65 |
| LANGUAGE | | | | | | | | |
| MEAN | 17.39 | 16.54 | 17.04 | 16.87 | 17.64 | 16.65 | 15.84 | 16.24 |
| STANDARD DEVIATION | 8.06 | 8.05 | 9.20 | 8.46 | 8.03 | 8.98 | 8.03 | 8.30 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 16.61 | 16.63 | 16.14 | 16.45 | 17.82 | 16.96 | 16.79 | 16.94 |
| STANDARD DEVIATION | 6.85 | 6.51 | 7.12 | 6.77 | 7.75 | 7.31 | 7.13 | 7.24 |
| RAVENS | | | | | | | | |
| MEAN | 19.33 | 16.55 | 16.94 | 17.17 | 18.31 | 17.87 | 17.45 | 17.65 |
| STANDARD DEVIATION | 4.39 | 4.99 | 4.88 | 4.94 | 4.73 | 4.56 | 4.71 | 4.68 |
| READING | | | | | | | | |
| MEAN | 19.93 | 18.76 | 17.91 | 18.66 | 19.54 | 18.19 | 17.31 | 17.77 |
| STANDARD DEVIATION | 7.44 | 7.54 | 7.22 | 7.41 | 8.10 | 7.67 | 7.33 | 7.52 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 15.61 | 15.64 | 15.45 | 15.57 | 16.18 | 16.55 | 16.29 | 16.35 |
| STANDARD DEVIATION | 6.45 | 6.35 | 7.09 | 6.62 | 7.50 | 7.15 | 7.62 | 7.47 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 13.35 | 11.85 | 12.40 | 12.31 | 12.34 | 13.04 | 12.57 | 12.67 |
| STANDARD DEVIATION | 5.43 | 5.62 | 6.25 | 5.82 | 6.09 | 6.47 | 6.34 | 6.34 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.11 | 34.76 | 35.46 | 35.25 | 36.33 | 36.75 | 36.33 | 36.44 |
| STANDARD DEVIATION | 6.07 | 7.87 | 7.47 | 7.43 | 7.35 | 7.81 | 7.37 | 7.47 |
| IARS(-) | | | | | | | | |
| MEAN | 9.91 | 9.92 | 9.75 | 9.86 | 10.51 | 10.33 | 10.24 | 10.29 |
| STANDARD DEVIATION | 2.80 | 2.62 | 2.82 | 2.72 | 3.14 | 2.72 | 2.70 | 2.75 |
| IARS(+) | | | | | | | | |
| MEAN | 12.59 | 13.01 | 12.99 | 12.93 | 13.20 | 13.17 | 13.09 | 13.12 |
| STANDARD DEVIATION | 2.17 | 2.36 | 2.61 | 2.42 | 2.64 | 2.51 | 2.27 | 2.37 |
| TOTAL READING | | | | | | | | |
| MEAN | 44.07 | 42.76 | 40.56 | 42.20 | 45.93 | 42.03 | 41.06 | 41.82 |
| STANDARD DEVIATION | 17.39 | 17.53 | 17.58 | 17.51 | 18.35 | 17.10 | 17.29 | 17.38 |
| TOTAL MATH | | | | | | | | |
| MEAN | 45.57 | 44.11 | 43.99 | 44.32 | 46.34 | 46.55 | 45.65 | 45.96 |
| STANDARD DEVIATION | 17.48 | 16.16 | 18.52 | 17.21 | 19.87 | 19.18 | 19.42 | 19.38 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 8.00 | 8.15 | 8.12 | 8.11 | 7.79 | 7.66 | 7.49 | 7.57 |
| STANDARD DEVIATION | 3.22 | 3.39 | 3.76 | 3.49 | 3.40 | 3.46 | 3.38 | 3.40 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 9.37 | 8.40 | 8.93 | 8.76 | 9.85 | 8.99 | 8.34 | 8.67 |
| STANDARD DEVIATION | 6.33 | 5.80 | 6.66 | 6.20 | 5.94 | 6.61 | 5.81 | 6.06 |

## Table C4-IIIK(PS)-30

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR BANK STREET MODEL IN NEW YORK, NY

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 10 | 46 | 24 | 80 | 37 | 43 | 73 | 153 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 27.00 | 26.93 | 27.00 | 26.96 | 26.24 | 27.33 | 26.63 | 26.73 |
| STANDARD DEVIATION | 9.06 | 9.28 | 10.47 | 9.50 | 10.87 | 10.21 | 10.50 | 10.45 |
| SPELLING | | | | | | | | |
| MEAN | 20.90 | 21.24 | 22.25 | 21.50 | 22.24 | 22.72 | 24.26 | 23.34 |
| STANDARD DEVIATION | 10.09 | 12.79 | 15.34 | 13.18 | 13.27 | 12.12 | 12.34 | 12.46 |
| LANGUAGE | | | | | | | | |
| MEAN | 14.80 | 15.15 | 14.67 | 14.96 | 18.54 | 17.37 | 16.12 | 17.06 |
| STANDARD DEVIATION | 6.86 | 6.78 | 6.86 | 6.73 | 7.84 | 8.01 | 7.19 | 7.60 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 16.30 | 17.00 | 16.29 | 16.70 | 18.27 | 18.70 | 18.89 | 18.69 |
| STANDARD DEVIATION | 7.70 | 7.20 | 8.27 | 7.51 | 7.94 | 8.20 | 7.01 | 7.54 |
| RAVENS | | | | | | | | |
| MEAN | 16.00 | 15.43 | 15.79 | 15.61 | 18.32 | 17.81 | 16.59 | 17.35 |
| STANDARD DEVIATION | 4.64 | 3.41 | 4.73 | 3.95 | 5.17 | 4.35 | 4.12 | 4.49 |
| READING | | | | | | | | |
| MEAN | 22.90 | 20.67 | 21.17 | 21.10 | 19.14 | 21.21 | 20.11 | 20.18 |
| STANDARD DEVIATION | 6.85 | 7.07 | 6.82 | 6.92 | 7.41 | 7.87 | 7.36 | 7.51 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 14.80 | 15.93 | 16.04 | 15.82 | 15.62 | 17.40 | 17.53 | 17.03 |
| STANDARD DEVIATION | 6.97 | 5.43 | 6.80 | 6.00 | 7.18 | 7.32 | 6.50 | 6.90 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 13.30 | 12.37 | 12.58 | 12.55 | 12.54 | 13.77 | 13.64 | 13.41 |
| STANDARD DEVIATION | 5.56 | 5.01 | 5.99 | 5.32 | 6.26 | 6.35 | 5.79 | 6.04 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.70 | 34.11 | 34.87 | 34.41 | 37.24 | 37.16 | 37.41 | 37.30 |
| STANDARD DEVIATION | 5.83 | 7.05 | 7.29 | 6.91 | 6.22 | 7.80 | 7.02 | 7.03 |
| IARS(-) | | | | | | | | |
| MEAN | 9.90 | 10.72 | 10.92 | 10.68 | 11.24 | 11.12 | 11.26 | 11.22 |
| STANDARD DEVIATION | 3.35 | 2.53 | 2.17 | 2.52 | 2.78 | 2.08 | 2.51 | 2.45 |
| IARS(+) | | | | | | | | |
| MEAN | 12.80 | 13.70 | 13.04 | 13.39 | 13.57 | 13.93 | 13.63 | 13.70 |
| STANDARD DEVIATION | 1.62 | 2.19 | 2.29 | 2.17 | 2.13 | 2.18 | 1.83 | 2.00 |
| TOTAL READING | | | | | | | | |
| MEAN | 49.90 | 47.61 | 48.17 | 48.06 | 45.38 | 48.53 | 46.74 | 46.91 |
| STANDARD DEVIATION | 15.48 | 15.53 | 16.49 | 15.63 | 17.48 | 17.24 | 17.24 | 17.22 |
| TOTAL MATH | | | | | | | | |
| MEAN | 44.40 | 45.30 | 44.92 | 45.08 | 46.43 | 49.86 | 50.07 | 49.13 |
| STANDARD DEVIATION | 18.97 | 15.28 | 19.40 | 16.84 | 19.56 | 19.88 | 16.82 | 18.33 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 8.00 | 8.37 | 8.67 | 8.41 | 7.73 | 8.12 | 8.03 | 7.98 |
| STANDARD DEVIATION | 3.77 | 2.94 | 3.62 | 3.22 | 3.52 | 3.36 | 3.26 | 3.33 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 6.80 | 6.78 | 6.00 | 6.55 | 10.81 | 9.26 | 8.10 | 9.08 |
| STANDARD DEVIATION | 4.54 | 4.88 | 4.86 | 4.79 | 5.84 | 6.05 | 5.08 | 5.62 |

## Table C4-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR BANK STREET MODEL IN PHILADELPHIA, PA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 3 | 57 | 38 | 98 | 13 | 98 | 243 | 354 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 16.00 | 19.93 | 16.47 | 18.47 | 23.15 | 20.85 | 21.49 | 21.37 |
| STANDARD DEVIATION | 7.55 | 9.33 | 8.29 | 8.98 | 11.65 | 8.85 | 9.96 | 9.71 |
| SPELLING | | | | | | | | |
| MEAN | 12.67 | 14.95 | 11.29 | 13.46 | 15.46 | 18.91 | 18.72 | 18.66 |
| STANDARD DEVIATION | 8.02 | 11.69 | 9.60 | 10.89 | 14.76 | 11.30 | 12.98 | 12.58 |
| LANGUAGE | | | | | | | | |
| MEAN | 12.00 | 15.67 | 13.87 | 14.86 | 15.23 | 15.12 | 14.72 | 14.85 |
| STANDARD DEVIATION | 3.00 | 7.81 | 5.35 | 6.88 | 9.43 | 7.71 | 6.94 | 7.24 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 14.67 | 15.75 | 14.42 | 15.20 | 13.77 | 15.09 | 15.31 | 15.19 |
| STANDARD DEVIATION | 5.13 | 6.20 | 5.59 | 5.92 | 7.08 | 5.75 | 6.60 | 6.39 |
| RAVENS | | | | | | | | |
| MEAN | 17.00 | 15.61 | 14.84 | 15.36 | 16.54 | 17.17 | 17.00 | 17.03 |
| STANDARD DEVIATION | 1.73 | 5.05 | 4.60 | 4.80 | 3.69 | 4.31 | 4.67 | 4.53 |
| READING | | | | | | | | |
| MEAN | 14.33 | 15.44 | 14.11 | 14.89 | 17.54 | 15.43 | 15.49 | 15.55 |
| STANDARD DEVIATION | 3.21 | 5.69 | 4.93 | 5.35 | 9.82 | 5.12 | 6.39 | 6.21 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 12.33 | 14.04 | 13.82 | 13.90 | 14.38 | 15.13 | 15.41 | 15.29 |
| STANDARD DEVIATION | 4.51 | 6.22 | 6.83 | 6.37 | 8.71 | 6.09 | 7.56 | 7.21 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 8.33 | 9.95 | 10.34 | 10.05 | 9.85 | 11.72 | 11.67 | 11.62 |
| STANDARD DEVIATION | 2.52 | 4.94 | 4.16 | 4.58 | 5.52 | 5.23 | 5.89 | 5.70 |
| COOPERSMITH | | | | | | | | |
| MEAN | 33.67 | 33.67 | 33.79 | 33.71 | 32.31 | 35.74 | 35.63 | 35.54 |
| STANDARD DEVIATION | 12.86 | 7.87 | 7.01 | 7.61 | 9.10 | 7.36 | 7.17 | 7.30 |
| IARS(-) | | | | | | | | |
| MEAN | 11.00 | 9.46 | 9.47 | 9.51 | 8.85 | 9.81 | 9.81 | 9.77 |
| STANDARD DEVIATION | 2.00 | 2.55 | 2.95 | 2.74 | 3.26 | 2.90 | 2.69 | 2.77 |
| IARS(+) | | | | | | | | |
| MEAN | 10.67 | 12.37 | 12.45 | 12.35 | 12.31 | 12.80 | 12.87 | 12.83 |
| STANDARD DEVIATION | 3.21 | 2.46 | 2.86 | 2.63 | 2.53 | 2.57 | 2.34 | 2.41 |
| TOTAL READING | | | | | | | | |
| MEAN | 30.33 | 35.37 | 30.58 | 33.36 | 40.69 | 36.28 | 36.98 | 36.92 |
| STANDARD DEVIATION | 8.96 | 14.04 | 12.05 | 13.28 | 20.81 | 12.89 | 15.41 | 14.96 |
| TOTAL MATH | | | | | | | | |
| MEAN | 35.33 | 39.74 | 38.58 | 39.15 | 38.00 | 41.95 | 42.39 | 42.11 |
| STANDARD DEVIATION | 12.01 | 15.16 | 14.15 | 14.59 | 20.17 | 15.14 | 18.48 | 17.65 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.00 | 7.51 | 6.53 | 7.08 | 6.62 | 7.16 | 7.00 | 7.03 |
| STANDARD DEVIATION | 1.00 | 3.77 | 3.08 | 3.48 | 3.45 | 3.36 | 3.28 | 3.30 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 6.00 | 8.16 | 7.34 | 7.78 | 8.62 | 7.96 | 7.72 | 7.82 |
| STANDARD DEVIATION | 3.01 | 5.17 | 3.75 | 4.62 | 6.60 | 5.39 | 4.91 | 5.10 |

Table C4-IIIK(PS)-30 (cont.)

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR BANK STREET MODEL IN BRATTLEBORO, VT

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 5 | 5 | 7 | 17 | 0 | 8 | 16 | 24 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 24.60 | 36.40 | 29.57 | 30.12 | 0.00 | 38.25 | 33.62 | 35.17 |
| STANDARD DEVIATION | 13.45 | 13.52 | 13.77 | 13.56 | 0.00 | 12.44 | 9.05 | 10.27 |
| SPELLING | | | | | | | | |
| MEAN | 15.80 | 24.00 | 19.14 | 19.59 | 0.00 | 32.00 | 27.37 | 28.92 |
| STANDARD DEVIATION | 13.16 | 11.00 | 11.65 | 11.62 | 0.00 | 12.01 | 8.80 | 9.97 |
| LANGUAGE | | | | | | | | |
| MEAN | 11.20 | 22.60 | 18.29 | 17.47 | 0.00 | 29.87 | 24.12 | 26.04 |
| STANDARD DEVIATION | 3.96 | 11.82 | 9.89 | 9.82 | 0.00 | 15.65 | 11.56 | 13.02 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 11.80 | 16.40 | 12.00 | 13.24 | 0.00 | 25.50 | 22.19 | 23.29 |
| STANDARD DEVIATION | 3.42 | 8.96 | 5.39 | 6.19 | 0.00 | 10.00 | 7.55 | 8.37 |
| RAVENS | | | | | | | | |
| MEAN | 20.00 | 23.20 | 21.14 | 21.41 | 0.00 | 23.25 | 21.75 | 22.25 |
| STANDARD DEVIATION | 5.66 | 4.15 | 3.72 | 4.37 | 0.00 | 4.10 | 4.17 | 4.12 |
| READING | | | | | | | | |
| MEAN | 18.60 | 26.20 | 19.86 | 21.35 | 0.00 | 33.13 | 24.44 | 27.33 |
| STANDARD DEVIATION | 9.29 | 10.66 | 7.78 | 9.13 | 0.00 | 9.88 | 7.79 | 9.31 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 12.80 | 20.20 | 14.57 | 15.71 | 0.00 | 27.00 | 22.87 | 24.25 |
| STANDARD DEVIATION | 6.61 | 8.53 | 8.06 | 7.94 | 0.00 | 9.47 | 7.86 | 8.46 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 11.20 | 17.40 | 11.14 | 13.00 | 0.00 | 25.00 | 17.06 | 19.71 |
| STANDARD DEVIATION | 6.30 | 7.83 | 5.27 | 6.65 | 0.00 | 9.27 | 8.31 | 9.26 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.40 | 43.20 | 35.43 | 38.00 | 0.00 | 46.00 | 39.00 | 41.33 |
| STANDARD DEVIATION | 2.70 | 8.35 | 8.10 | 7.48 | 0.00 | 7.35 | 9.85 | 9.54 |
| IARS(-) | | | | | | | | |
| MEAN | 7.60 | 10.20 | 7.43 | 8.29 | 0.00 | 12.12 | 11.81 | 11.92 |
| STANDARD DEVIATION | 3.85 | 2.77 | 2.99 | 3.26 | 0.00 | 2.10 | 1.83 | 1.89 |
| IARS(+) | | | | | | | | |
| MEAN | 12.20 | 14.80 | 12.00 | 12.88 | 0.00 | 13.62 | 13.81 | 13.75 |
| STANDARD DEVIATION | 1.30 | 1.79 | 3.92 | 2.93 | 0.00 | 2.67 | 1.68 | 2.01 |
| TOTAL READING | | | | | | | | |
| MEAN | 43.20 | 62.60 | 49.43 | 51.47 | 0.00 | 71.37 | 58.06 | 62.50 |
| STANDARD DEVIATION | 22.26 | 23.67 | 20.26 | 21.91 | 0.00 | 21.60 | 15.55 | 18.46 |
| TOTAL MATH | | | | | | | | |
| MEAN | 35.80 | 54.00 | 37.71 | 41.94 | 0.00 | 77.50 | 62.12 | 67.25 |
| STANDARD DEVIATION | 15.74 | 24.27 | 17.90 | 19.86 | 0.00 | 27.90 | 22.75 | 25.09 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 5.80 | 10.60 | 9.86 | 8.88 | 0.00 | 9.88 | 9.44 | 9.58 |
| STANDARD DEVIATION | 4.55 | 2.51 | 3.98 | 4.12 | 0.00 | 4.45 | 3.37 | 3.67 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 5.40 | 12.00 | 8.43 | 8.59 | 0.00 | 20.00 | 14.69 | 16.46 |
| STANDARD DEVIATION | 3.78 | 9.51 | 7.25 | 7.26 | 0.00 | 11.61 | 9.34 | 10.22 |

## Table C4-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR BANK STREET MODEL IN FALL RIVER, MA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 20 | 7 | 22 | 49 | 4 | 4 | 34 | 42 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 21.25 | 21.43 | 24.77 | 22.86 | 31.25 | 31.00 | 28.88 | 29.31 |
| STANDARD DEVIATION | 10.03 | 14.16 | 10.97 | 10.98 | 7.18 | 7.53 | 12.25 | 11.38 |
| SPELLING | | | | | | | | |
| MEAN | 13.10 | 20.86 | 17.36 | 16.12 | 24.75 | 23.50 | 23.79 | 23.86 |
| STANDARD DEVIATION | 11.15 | 14.24 | 12.82 | 12.42 | .96 | 12.45 | 11.90 | 11.20 |
| LANGUAGE | | | | | | | | |
| MEAN | 20.70 | 22.29 | 23.77 | 22.31 | 16.50 | 22.25 | 19.47 | 19.45 |
| STANDARD DEVIATION | 8.47 | 8.46 | 12.60 | 10.43 | 5.45 | 11.76 | 11.67 | 11.11 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 17.00 | 18.43 | 20.55 | 18.80 | 20.00 | 23.75 | 19.41 | 19.88 |
| STANDARD DEVIATION | 6.63 | 3.05 | 7.25 | 6.66 | 7.16 | 6.65 | 7.88 | 7.66 |
| RAVENS | | | | | | | | |
| MEAN | 20.05 | 21.86 | 20.14 | 20.35 | 19.50 | 23.50 | 20.71 | 20.86 |
| STANDARD DEVIATION | 4.06 | 6.23 | 3.48 | 4.13 | 4.93 | 3.42 | 4.16 | 4.18 |
| READING | | | | | | | | |
| MEAN | 17.80 | 20.29 | 19.23 | 18.80 | 23.00 | 22.50 | 21.03 | 21.36 |
| STANDARD DEVIATION | 6.80 | 8.38 | 8.48 | 7.71 | 4.76 | 8.50 | 8.42 | 8.03 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 15.30 | 15.29 | 17.32 | 16.20 | 18.25 | 20.50 | 16.24 | 16.83 |
| STANDARD DEVIATION | 5.66 | 5.77 | 7.69 | 6.61 | 8.34 | 8.39 | 8.73 | 8.57 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 13.50 | 12.29 | 15.55 | 14.24 | 14.00 | 14.75 | 14.21 | 14.24 |
| STANDARD DEVIATION | 5.07 | 5.38 | 8.66 | 6.94 | 6.16 | 6.55 | 8.25 | 7.79 |
| COOPERSMITH | | | | | | | | |
| MEAN | 37.85 | 38.00 | 38.41 | 38.12 | 40.50 | 40.75 | 37.56 | 38.14 |
| STANDARD DEVIATION | 5.84 | 8.04 | 8.12 | 7.11 | 8.35 | 9.67 | 7.88 | 7.97 |
| IARS(-) | | | | | | | | |
| MEAN | 10.55 | 10.43 | 9.64 | 10.12 | 8.25 | 10.00 | 10.32 | 10.10 |
| STANDARD DEVIATION | 2.16 | 2.23 | 2.79 | 2.46 | 3.20 | 2.94 | 2.77 | 2.82 |
| IARS(+) | | | | | | | | |
| MEAN | 12.25 | 13.00 | 14.00 | 13.14 | 14.25 | 13.25 | 13.15 | 13.26 |
| STANDARD DEVIATION | 2.55 | 1.83 | 1.75 | 2.24 | 1.71 | 3.59 | 2.65 | 2.63 |
| TOTAL READING | | | | | | | | |
| MEAN | 39.05 | 41.71 | 44.00 | 41.65 | 54.25 | 53.50 | 49.91 | 50.67 |
| STANDARD DEVIATION | 16.07 | 22.20 | 18.86 | 18.02 | 11.90 | 14.20 | 19.97 | 18.67 |
| TOTAL MATH | | | | | | | | |
| MEAN | 45.80 | 46.00 | 53.41 | 49.24 | 52.25 | 59.00 | 49.85 | 50.95 |
| STANDARD DEVIATION | 15.76 | 10.61 | 22.31 | 18.56 | 21.45 | 21.42 | 23.79 | 23.03 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 8.40 | 8.43 | 9.27 | 8.80 | 8.25 | 10.50 | 8.88 | 8.98 |
| STANDARD DEVIATION | 2.96 | 3.55 | 4.28 | 3.64 | 2.22 | 3.00 | 3.76 | 3.56 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 12.30 | 13.86 | 14.50 | 13.51 | 8.25 | 11.75 | 10.59 | 10.48 |
| STANDARD DEVIATION | 6.59 | 6.15 | 8.83 | 7.56 | 3.77 | 9.71 | 8.72 | 8.35 |

Table C4-IIIK(PS)-30 (cont.)

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR BANK STREET MODEL IN NEW HAVEN, CT

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 8 | 8 | 4 | 20 | 7 | 2 | 5 | 14 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 30.50 | 30.63 | 31.50 | 30.75 | 30.43 | 23.50 | 25.40 | 27.64 |
| STANDARD DEVIATION | 10.38 | 11.78 | 10.60 | 10.43 | 11.73 | 4.95 | 11.55 | 10.73 |
| SPELLING | | | | | | | | |
| MEAN | 24.62 | 23.13 | 18.75 | 22.85 | 23.57 | 19.00 | 24.40 | 23.21 |
| STANDARD DEVIATION | 11.06 | 12.64 | 14.01 | 11.82 | 14.46 | 12.73 | 12.93 | 12.80 |
| LANGUAGE | | | | | | | | |
| MEAN | 18.25 | 22.00 | 22.25 | 20.55 | 18.00 | 12.00 | 14.40 | 15.86 |
| STANDARD DEVIATION | 8.35 | 9.64 | 9.21 | 8.77 | 8.06 | 2.83 | 5.59 | 6.77 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 19.75 | 19.25 | 14.50 | 18.50 | 21.71 | 23.50 | 23.20 | 22.50 |
| STANDARD DEVIATION | 7.85 | 4.92 | 5.45 | 6.37 | 6.21 | 6.36 | 3.27 | 4.99 |
| RAVENS | | | | | | | | |
| MEAN | 22.12 | 20.87 | 18.75 | 20.95 | 20.86 | 20.50 | 16.00 | 19.07 |
| STANDARD DEVIATION | 1.81 | 3.91 | 3.86 | 3.28 | 3.02 | 6.36 | 5.10 | 4.58 |
| READING | | | | | | | | |
| MEAN | 24.50 | 25.50 | 23.75 | 24.75 | 23.43 | 20.50 | 16.60 | 20.57 |
| STANDARD DEVIATION | 7.29 | 8.78 | 4.27 | 7.17 | 9.29 | 2.12 | 7.13 | 8.14 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 20.37 | 22.87 | 18.75 | 21.05 | 21.29 | 18.50 | 20.40 | 20.57 |
| STANDARD DEVIATION | 7.09 | 6.08 | 4.57 | 6.18 | 4.89 | .71 | 4.10 | 4.15 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 16.25 | 18.50 | 15.75 | 17.05 | 15.00 | 10.50 | 15.00 | 14.36 |
| STANDARD DEVIATION | 5.60 | 5.48 | 2.75 | 5.03 | 5.66 | 2.12 | 3.81 | 4.72 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.25 | 38.25 | 38.75 | 36.75 | 36.57 | 32.00 | 38.00 | 36.43 |
| STANDARD DEVIATION | 5.55 | 8.94 | 5.25 | 7.04 | 7.41 | 2.83 | 7.42 | 6.85 |
| IARS(-) | | | | | | | | |
| MEAN | 9.38 | 8.00 | 10.00 | 8.95 | 11.00 | 12.50 | 10.80 | 11.14 |
| STANDARD DEVIATION | 2.83 | 1.77 | 3.16 | 2.52 | 3.56 | .71 | 2.17 | 2.77 |
| IARS(+) | | | | | | | | |
| MEAN | 14.12 | 12.50 | 14.00 | 13.45 | 12.29 | 13.50 | 13.00 | 12.71 |
| STANDARD DEVIATION | .64 | 2.00 | 2.16 | 1.73 | 4.89 | .71 | 1.87 | 3.52 |
| TOTAL READING | | | | | | | | |
| MEAN | 55.00 | 56.12 | 55.25 | 55.50 | 53.86 | 44.00 | 42.00 | 48.21 |
| STANDARD DEVIATION | 17.02 | 20.05 | 14.57 | 16.99 | 20.43 | 7.07 | 17.66 | 18.09 |
| TOTAL MATH | | | | | | | | |
| MEAN | 56.37 | 60.63 | 49.00 | 56.60 | 58.00 | 52.50 | 58.60 | 57.43 |
| STANDARD DEVIATION | 19.90 | 15.05 | 10.39 | 16.29 | 16.54 | 9.19 | 9.21 | 12.78 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 9.13 | 9.63 | 10.50 | 9.60 | 10.00 | 7.50 | 8.00 | 8.93 |
| STANDARD DEVIATION | 2.36 | 2.50 | 2.65 | 2.39 | 2.45 | 2.12 | 2.00 | 2.37 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 9.13 | 12.37 | 11.75 | 10.95 | 8.00 | 4.50 | 6.40 | 6.93 |
| STANDARD DEVIATION | 7.14 | 7.85 | 6.65 | 7.13 | 6.27 | .71 | 3.97 | 4.97 |

## Table C4-IIEF-1

## ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT II ENTERING FIRST SITES IN THE BANK STREET MODEL

| | | MACON CO., AL | | |
|---|---|---|---|---|
| | | FT | NFT | |
| | | | Local | Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 |
| BLACK | Percent | 98.8 | 100.0 | 82.5 |
| | Number | 83 | 24 | 85 |
| ORIENTAL | Percent | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 |
| PUERTO RICAN | Percent | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 |
| WHITE | Percent | 1.2 | 0.0 | 17.5 |
| | Number | 1 | 0 | 18 |
| OTHER | Percent | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 |
| BEST MATCHED SITE | | Chattanooga, TN | | |

Table C4-IIEF-2

### DISTRIBUTION OF BACKGROUND VARIABLES COHORT II ENTERING FIRST SITES IN THE BANK STREET MODEL

| | SPONSOR'S SITES | | | MACON CO., AL | | |
|---|---|---|---|---|---|---|
| | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| CHILDREN IN ANALYTIC SAMPLE | | | | | | |
| Number | — | — | — | 84 | 24 | 103 |
| FALL KINDERGARTEN WRAT | | | | | | |
| Mean Score | 30.0 | 36.4 | — | 30.0 | 36.4 | 29.4 |
| PERCENT WITH PRESCHOOL | 63 | 0 | — | 63 | 0 | 65 |
| Number Responding | — | — | — | 68 | 10 | 77 |
| CHILDREN'S ETHNICITY | | | | | | |
| Percent Black | 99 | 100 | — | 99 | 100 | 83 |
| Percent White | 1 | 0 | — | 1 | 0 | 17 |
| Percent Other | 0 | 0 | — | 0 | 0 | 0 |
| MEDIAN FAMILY INCOME | 3125 | 2000 | — | 3125 | 2000 | 4334 |
| Number Responding | — | — | — | 35 | 10 | 59 |
| MOTHER'S EDUCATION | | | | | | |
| Percent H.S. Graduates | 32 | 20 | — | 32 | 20 | 18 |
| Number Responding | — | — | — | 31 | 10 | 56 |
| FEMALE HEADS OF HOUSEHOLD | | | | | | |
| Percent | 35 | 36 | — | 35 | 36 | 41 |
| BEST MATCHED SITE | | | | Chattanooga, TN | | |

### Table C4-IIEF-3

### TEACHER BACKGROUND CHARACTERISTICS FOR COHERT II-E SITES IN BANK STREET MODEL

| | MACON CO., AL | |
|---|---|---|
| | FT | NFT |
| YEARS OF ELEMENTARY TEACHING EXPERIENCE | | |
| Mean | 10.75 | 0 |
| Standard Deviation | 6.13 | 0 |
| N | 4 | 0 |
| YEARS IN SCHOOL | | |
| Mean | 5.25 | 0 |
| Standard Deviation | 3.09 | 0 |
| N | 4 | 0 |
| YEARS IN MODEL | | |
| Mean | 2.50 | 0 |
| Standard Deviation | 1.00 | 0 |
| N | 4 | 0 |
| TEACHER'S EDUCATION | | |
| % Less than B.A. | 0 | 0 |
| % with B.A. | 50. | 100 |
| % Some Graduate | 25. | 0 |
| % M.A. or More | 25. | 0 |
| N | 4 | 1 |
| TEACHER'S CERTIFICATION | | |
| % None | 0 | 0 |
| % Temporary | 0 | 0 |
| % Renewable/Permanent | 100. | 100 |
| N | 4 | 1 |
| TEACHER'S ETHNICITY | | |
| % White | 0 | 0 |
| % Black | 100. | 100 |
| % Spanish Surname | 0 | 0 |
| % Other | 0 | 0 |
| N | 4 | 1 |
| AGE IN YEARS | | |
| Mean | 38.25 | 0 |
| Standard Deviation | 10.14 | 0 |
| N | 4 | 0 |

Table C4-IIEF-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1973) FOR THE COHORT II ENTERING FIRST SITES IN THE BANK STREET MODEL

| | SPONSOR'S SITES | | | MACON CO., AL | | |
|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 44.5 | 47.3 | — | 44.5 | 47.3 | 51.5 |
| Number | 1 | 1 | — | 4 | 1 | 14 |
| Local Mean Difference | -2.8 | — | — | -2.8 | — | — |
| Best Match Mean Difference | — | — | — | -7.0 | — | — |
| FLEXIBLE CLASSROOM | 66.1 | 52.5 | — | 66.1 | 52.5 | 45.1 |
| Number | 1 | 1 | — | 4 | 1 | 15 |
| Local Mean Difference | 13.5 | — | — | 13.5 | — | — |
| Best Match Mean Difference | — | — | — | 21.0 | — | — |
| INDIVIDUALIZATION | 58.6 | 33.1 | — | 58.6 | 33.1 | 50.4 |
| Number | 1 | 1 | — | 4 | 1 | 18 |
| Local Mean Difference | 25.5 | — | — | 25.5 | — | — |
| Best Match Mean Difference | — | — | — | 8.2 | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 54.8 | 41.8 | — | 54.8 | 41.8 | 52.5 |
| Number | 1 | 1 | — | 4 | 1 | 18 |
| Local Mean Difference | 13.0 | — | — | 13.0 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — |
| SATISFACTION WITH SPONSOR | 53.9 | 40.4 | — | 53.9 | 40.4 | 46.7 |
| Number | 1 | 1 | — | 4 | 1 | 11 |
| Local Mean Difference | 13.5 | — | — | 13.5 | — | — |
| Best Match Mean Difference | — | — | — | 7.2 | — | — |
| BEST MATCHED SITE | | | | Chattanooga, TN | | |

## Table C4-IIEF-7

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT WORD KNOWLEDGE
FOR COHORT II ENTERING FIRST SITES
IN THE BANK STREET MODEL

KEY

FT Favoring: ↑

NFT Favoring: ↓

Material Difference: ⋁ ⋀

S.D. - 9.99

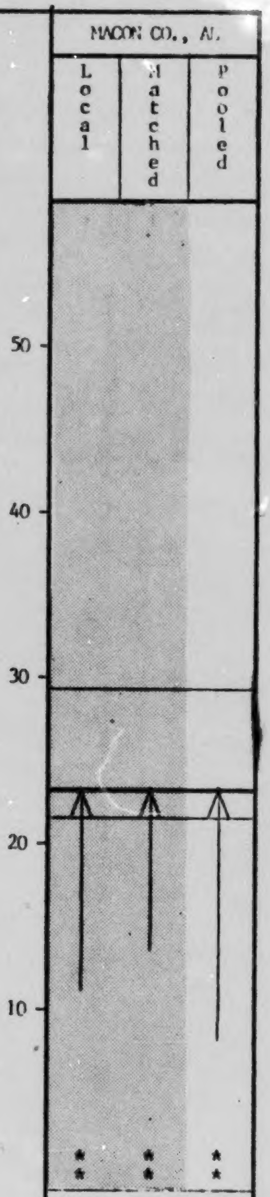
.25 S.D. - 2.50

P < .05 : *

P < .01 : **

National Mean 30.5

Overall NFT Mean 22.0



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | 12.09 | 9.75 | 15.09 |
| Standard Error | 4.58 | 2.54 | 1.45 |
| FT Mean | 23.65 | | |
| No. of FT Children | 84 | | |
| Matched NFT Site | Chattanooga, TN | | |

**COHORT II-EF STUDY**
**Non-Preschool Adjusted**

### Table C4-IIEF-8

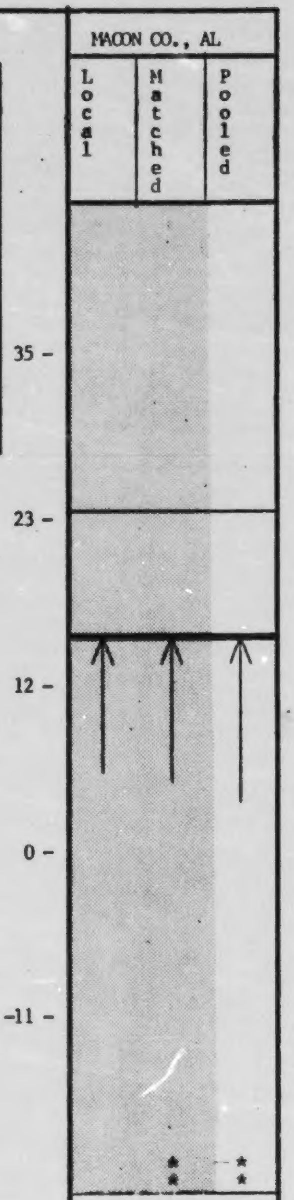
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT SPELLING FOR COHORT II ENTERING FIRST SITES IN THE BANK STREET MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⩔ ⩕ |
| S.D. - | 11.62 |
| .25 S.D. - | 2.91 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 24.0

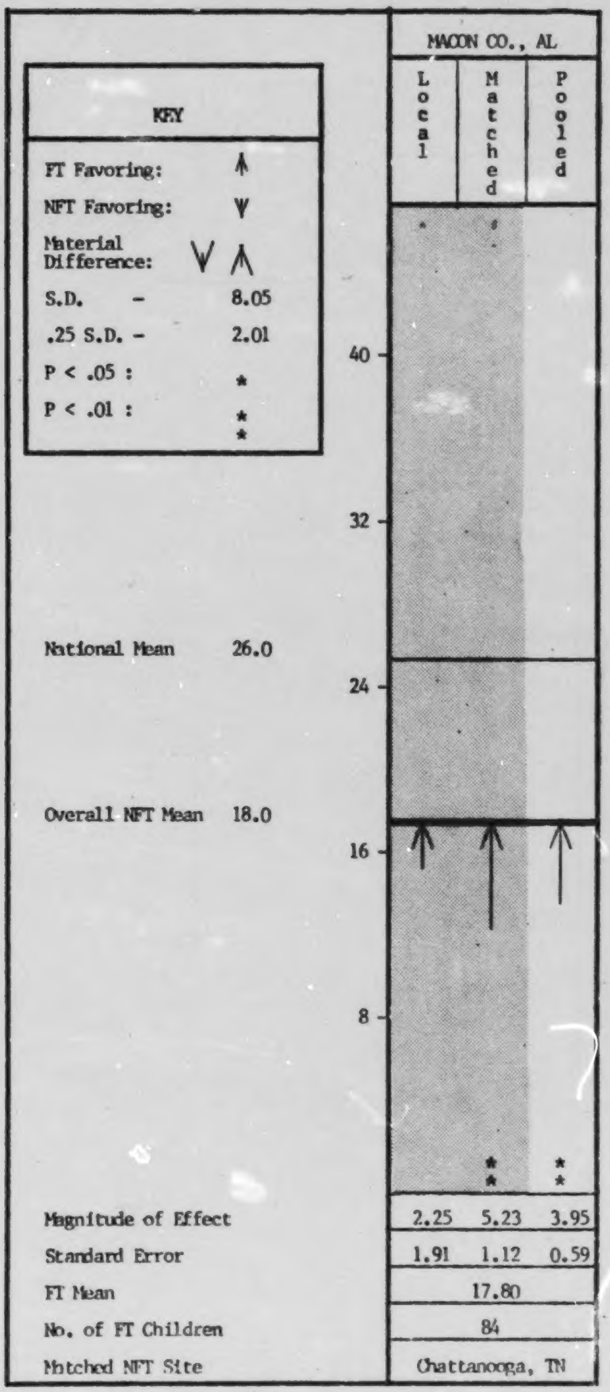
Overall NFT Mean 15.7



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | 9.47 | 10.15 | 11.54 |
| Standard Error | 4.86 | 2.46 | 1.51 |
| FT Mean | 15.35 | | |
| No. of FT Children | 84 | | |
| Matched NFT Site | Chattanooga, TN | | |

## Table C4-IIEF-9

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT LANGUAGE
FOR COHORT II ENTERING FIRST SITES
IN THE BANK STREET MODEL



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | 2.25 | 5.23 | 3.95 |
| Standard Error | 1.91 | 1.12 | 0.59 |
| FT Mean | 17.80 | | |
| No. of FT Children | 84 | | |
| Matched NFT Site | Chattanooga, TN | | |

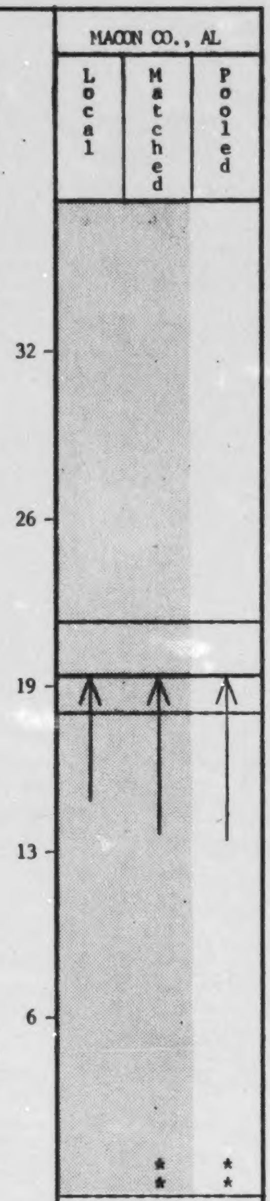
**COHORT II-EF STUDY**
**Non-Preschool Adjusted**

## Table C4-IIEF-10

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT II ENTERING FIRST SITES IN THE BANK STREET MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. – | 6.49 |
| .25 S.D. – | 1.62 |
| P < .05 : | * |
| P < .01 : | * * |

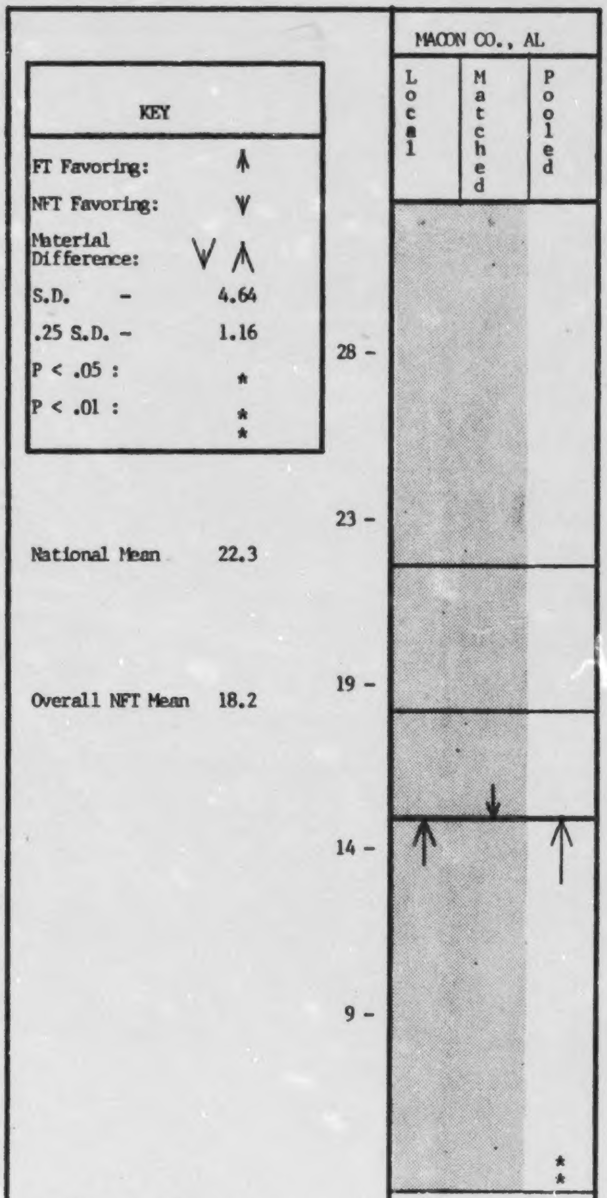
| | |
|---|---|
| National Mean | 22.5 |
| Overall NFT Mean | 18.5 |



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | 4.83 | 6.18 | 6.42 |
| Standard Error | 2.84 | 1.57 | 0.85 |
| FT Mean | 20.01 | | |
| No. of FT Children | 84 | | |
| Matched NFT Site | Chattanooga, TN | | |

## Table C4-IIEF-11

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE RAVEN S PROGRESSIVE MATRICES FOR COHORT II ENTERING FIRST SITES IN THE BANK STREET MODEL



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | 1.28 | -0.93 | 1.82 |
| Standard Error | 1.87 | 1.01 | 0.53 |
| FT Mean | 14.89 | | |
| No. of FT Children | 84 | | |
| Matched NFT Site | Chattanooga, TN | | |

**COHORT II-EF STUDY**
**Non-Preschool Adjusted**

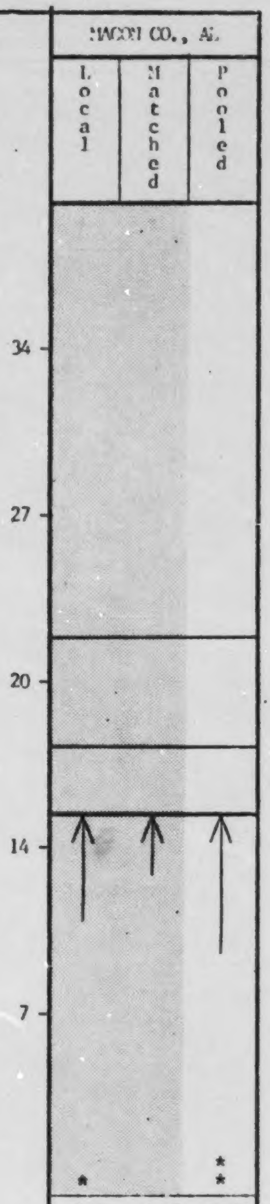
## Table C4-IIEF-12

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT READING FOR COHORT II ENTERING FIRST SITES IN THE BANK STREET MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. – | 6.82 |
| .25 S.D. – | 1.70 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.5

Overall NFT Mean 18.0



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | 4.30 | 2.35 | 5.70 |
| Standard Error | 1.86 | 1.24 | 0.54 |
| FT Mean | 15.19 | | |
| No. of FT Children | 84 | | |
| Matched NFT Site | Chattanooga, TN | | |

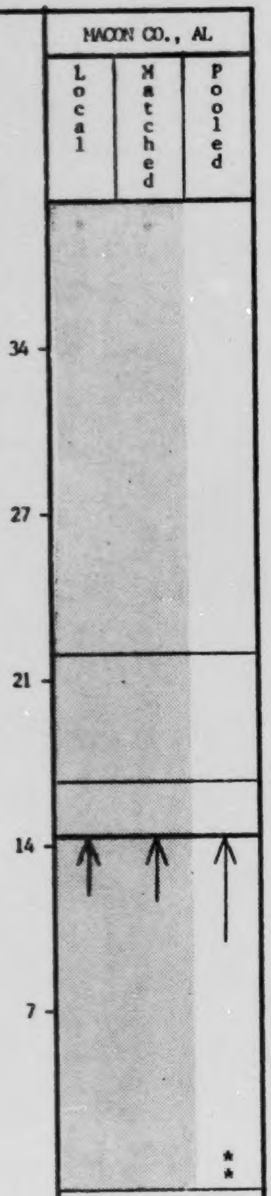
## Table C4-IIEF-13

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT MATHEMATICS CONCEPTS
FOR COHORT II ENTERING FIRST SITES
IN THE BANK STREET MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 6.85 |
| .25 S.D. - | 1.71 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.0

Overall NFT Mean 16.6



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | 2.33 | 2.63 | 4.28 |
| Standard Error | 2.37 | 1.45 | 0.72 |
| FT Mean | 14.21 | | |
| No. of FT Children | 84 | | |
| Matched NFT Site | Chattanooga, TN | | |

## Table C4-IIEF-14

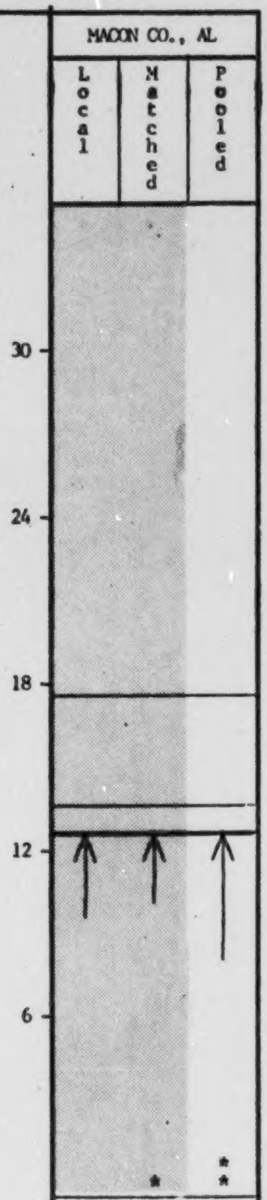
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT II ENTERING FIRST SITES IN THE BANK STREET MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ∨ ∧ |
| S.D. - | 6.10 |
| .25 S.D. - | 1.52 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 18.5

Overall NFT Mean 14.5



| | MACON CO., AL Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | 2.98 | 2.45 | 4.54 |
| Standard Error | 2.02 | 1.24 | 0.64 |
| FT Mean | 13.00 | | |
| No. of FT Children | 84 | | |
| Matched NFT Site | Chattanooga, TN | | |

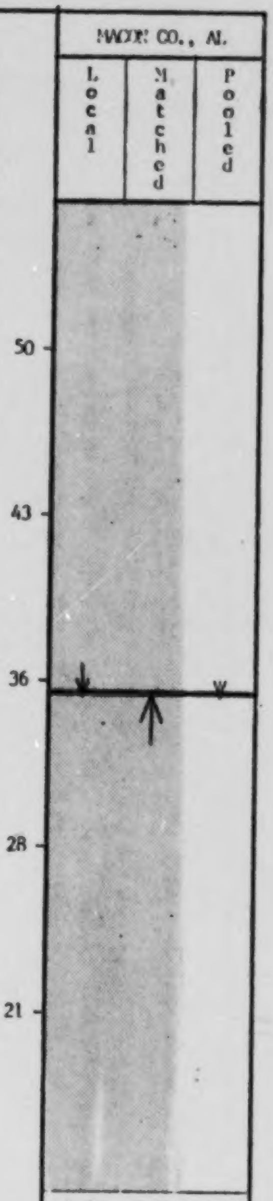
## Table C4-IIEF-15

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT II ENTERING FIRST SITES IN THE BANK STREET MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 7.12 |
| .25 S.D. - | 1.78 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 35.7



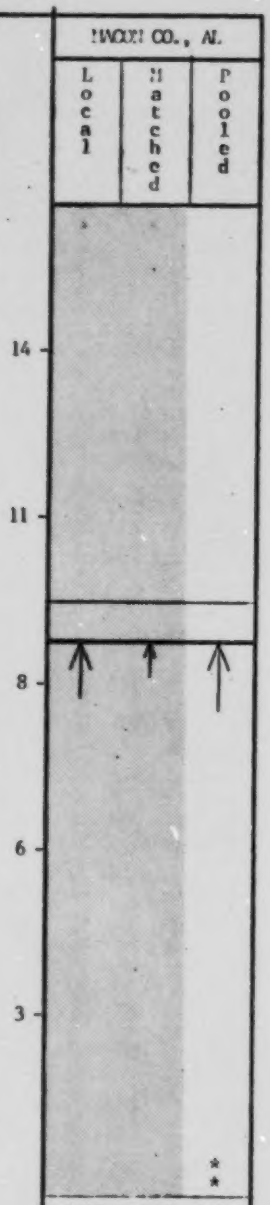
| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -1.32 | 2.08 | -0.71 |
| Standard Error | 2.45 | 1.58 | 0.70 |
| FT Mean | 35.21 | | |
| No. of FT Children | 84 | | |
| Matched NFT Site | Chattanooga, TN | | |

## Table C4-IIEF-16

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT II ENTERING FIRST SITES IN THE BANK STREET MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 2.76 |
| .25 S.D. - | .69 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 9.7



| | | | |
|---|---|---|---|
| Magnitude of Effect | 0.93 | 0.54 | 1.10 |
| Standard Error | 1.08 | 0.64 | 0.2 |
| FT Mean | 9.07 | | |
| No. of FT Children | 84 | | |
| Matched NFT Site | Chattanooga, TN | | |

# Table C4-IIEF-17

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE FOR COHORT II ENTERING FIRST SITES IN THE BANK STREET MODEL

KEY

FT Favoring: ↑

NFT Favoring: ↓

Material Difference: ⇓ ⇑

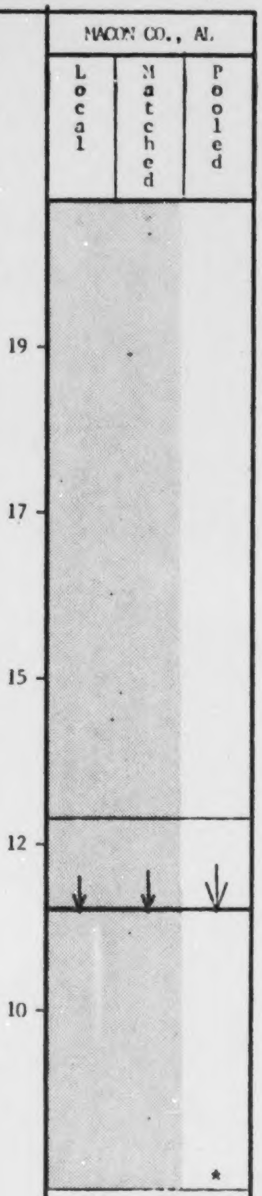
S.D. - 2.42

.25 S.D. - .61

P < .05 : *

P < .01 : **

Overall NFT Mean 12.7



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -0.49 | -0.57 | -0.65 |
| Standard Error | 0.86 | 0.54 | 0.26 |
| FT Mean | 11.24 | | |
| No. of FT Children | 84 | | |
| Matched NFT Site | Chattanooga, TN | | |

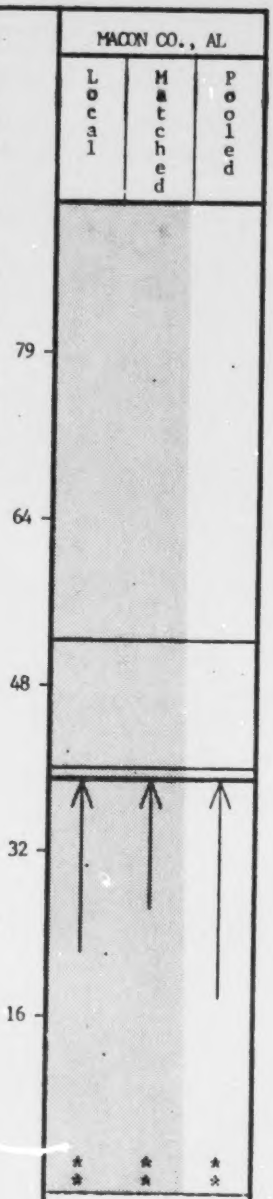
## Table C4-IIEF-18

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT TOTAL READING
FOR COHORT II ENTERING FIRST SITES
IN THE BANK STREET MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 15.88 |
| .25 S.D. - | 3.97 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 53.0

Overall NFT Mean 40.0



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | 16.39 | 12.10 | 20.81 |
| Standard Error | 5.73 | 3.41 | 1.77 |
| FT Mean | 38.85 | | |
| No. of FT Children | 84 | | |
| Matched NFT Site | Chattanooga, TN | | |

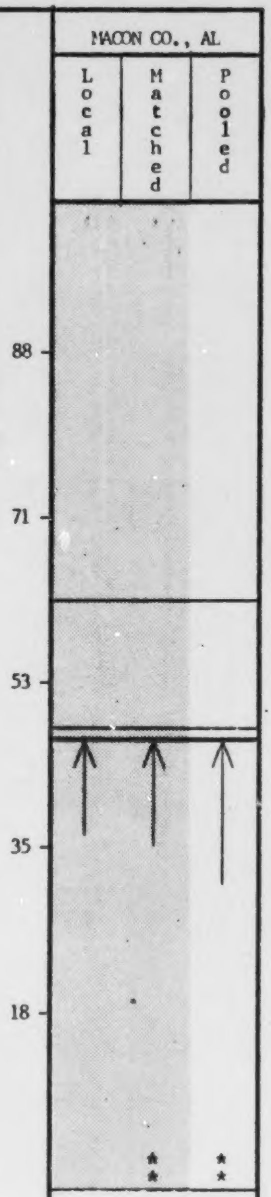
## Table C4-IIEF-19

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL MATH FOR COHORT II ENTERING FIRST SITES IN THE BANK STREET MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⩡ ⩢ |
| S.D. - | 17.64 |
| .25 S.D. - | 4.41 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 63.0

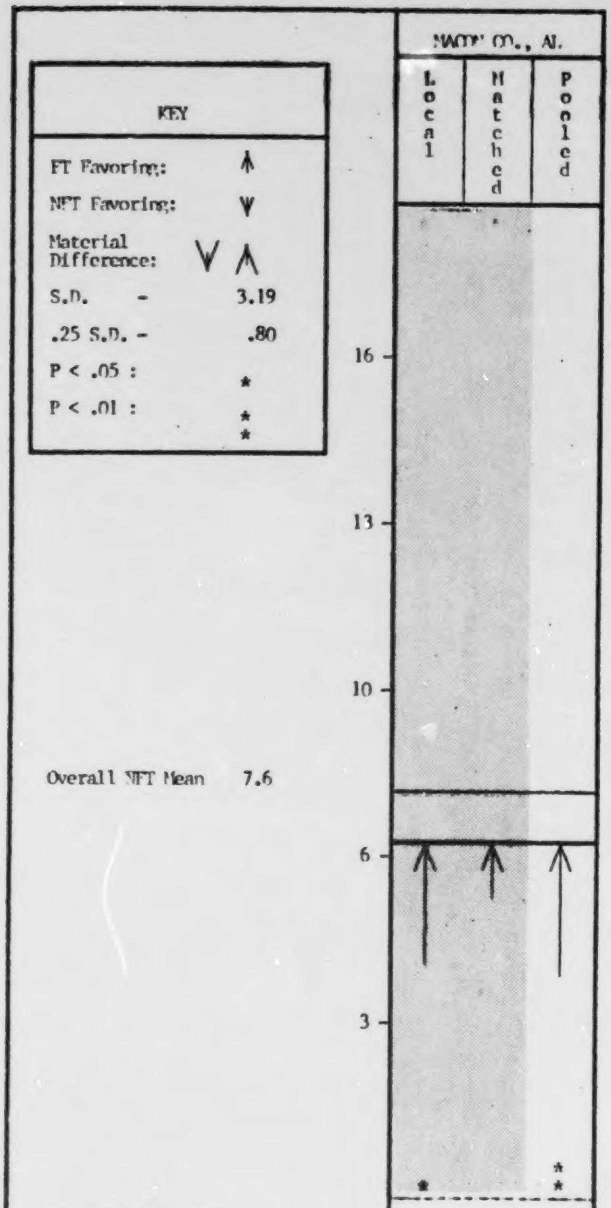
Overall NFT Mean 49.6



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | 10.13 | 11.26 | 15.22 |
| Standard Error | 6.54 | 3.80 | 2.01 |
| FT Mean | 47.23 | | |
| No. of FT Children | 84 | | |
| Matched NFT Site | Chattanooga, TN | | |

## Table C4-IIEF-20

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT II ENTERING FIRST SITES IN THE BANK STREET MODEL



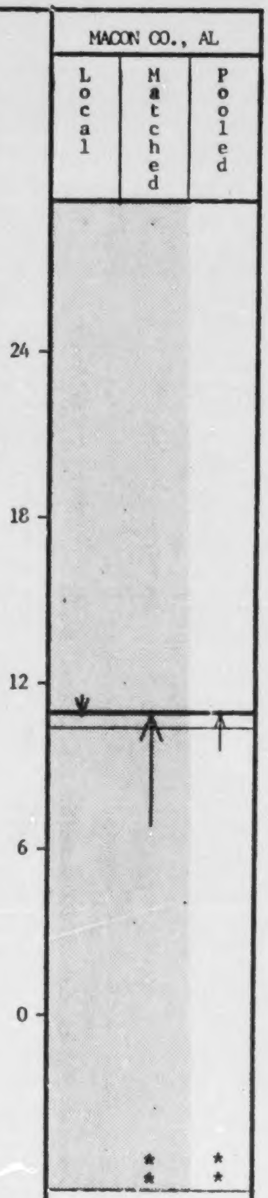
| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | 2.30 | 1.11 | 2.58 |
| Standard Error | 0.96 | 0.62 | 0.27 |
| FT Mean | 6.73 | | |
| No. of FT Children | 84 | | |
| Matched NFT Site | Chattanooga, TN | | |

## Table C4-IIEF-21

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT II ENTERING FIRST SITES IN THE BANK STREET MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 5.98 |
| .25 S.D. - | 1.49 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 10.4



| | MACON CO., AL Local | MACON CO., AL Matched | MACON CO., AL Pooled |
|---|---|---|---|
| Magnitude of Effect | -0.05 | 4.12 | 1.35 |
| Standard Error | 1.44 | 0.84 | 0.47 |
| FT Mean | 11.07 | | |
| No. of FT Children | 84 | | |
| Matched NFT Site | Chattanooga, TN | | |

Table C4-IIEF-22

STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS
COHORT II ENTERING FIRST SITES
IN THE BANK STREET MODEL

| | | SPONSOR'S SITES | | | MACON CO., AL | | |
|---|---|---|---|---|---|---|---|
| | MAT NORM POPULATION | FT | NFT | Local Best Match | FT | NFT | Local Best Match |
| TOTAL READING | | | | | | | |
| Third Grade Median | 61 | 51.5 | 45.0 | — | 51.5 | 45.0 | 46.8 |
| Median Percentile | 50 | 22.0 | 8.0 | 10.0 | 22.0 | 8.0 | 10.0 |
| Grade Equivalent | 3.5 | 2.6 | 2.1 | 2.2 | 2.6 | 2.1 | 2.2 |
| 1 Year or More Below Grade Level | 20 | 50.0 | 83.3 | — | 50.0 | 83.3 | 78.6 |
| TOTAL MATHEMATICS | | | | | | | |
| Third Grade Median | 70.5 | 60.8 | 55.2 | — | 60.8 | 55.2 | 52.7 |
| Median Percentile | 50 | 20.0 | 10.0 | 8.0 | 20.0 | 10.0 | 8.0 |
| Grade Equivalent | 3.75 | 3.0 | 2.5 | 2.4 | 3.0 | 2.5 | 2.4 |
| 1 Year or More Below Grade Level | 12 | 34.5 | 54.2 | — | 34.5 | 54.2 | 61.2 |
| SPELLING | | | | | | | |
| Third Grade Median | 64 | 53.8 | 50.2 | — | 53.8 | 50.2 | 45.3 |
| Median Percentile | 50 | 22.0 | 14.0 | 8.0 | 22.0 | 14.0 | 8.0 |
| Grade Equivalent | 3.6 | 2.6 | 2.3 | 2.0 | 2.6 | 2.3 | 2.0 |
| 1 Year or More Below Grade Level | 22 | 53.6 | 70.8 | — | 53.6 | 70.8 | 75.7 |
| LANGUAGE | | | | | | | |
| Third Grade Median | 70 | 60.3 | 59.5 | — | 60.3 | 59.5 | 54.7 |
| Median Percentile | 50 | 26.0 | 26.0 | 14.0 | 26.0 | 26.0 | 14.0 |
| Grade Equivalent | 4.0 | 3.0 | 3.0 | 2.5 | 3.0 | 3.0 | 2.5 |
| 1 Year or More Below Grade Level | 14 | 52.4 | 58.3 | — | 52.4 | 58.3 | 80.6 |
| BEST MATCHED SITE | | | | | Chattanooga, TN | | |

Table C4-IIEF-23

### MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES USED IN THE ANALYTIC SAMPLE OF THE COHORT II ENTERING FIRST SITES IN THE BANK STREET MODEL

| | SPONSOR'S SITES | | | MACON CO., AL | | |
|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | |
| Mean | 30.0 | 36.4 | — | 30.0 | 36.4 | 29.4 |
| Standard Deviation | — | — | — | 11.9 | 13.0 | 11.1 |
| HIGHEST OCCUPATION IN HOUSE | | | | | | |
| Mean | 12.7 | 13.0 | — | 12.7 | 13.0 | 13.1 |
| Standard Deviation | — | — | — | 1.9 | 1.7 | 1.5 |
| FAMILY INCOME IN DOLLARS | | | | | | |
| Mean | 3414 | 3500 | — | 3414 | 3500 | 4347 |
| Standard Deviation | — | — | — | 2084 | 2708 | 2267 |
| MISSING INCOME INFORMATION | | | | | | |
| No. Missing | — | — | — | 49 | 14 | 44 |
| Valid Cases | — | — | — | 35 | 10 | 59 |
| ETHNIC MEMBERSHIP/RACE | | | | | | |
| Percent White | 1 | 0 | — | 1 | 0 | 17 |
| Percent Black | 99 | 100 | — | 99 | 100 | 83 |
| SEX Percent Female | 54 | 58 | — | 54 | 58 | 47 |
| ENTRY AGE IN MONTHS | | | | | | |
| Mean | 78.4 | 78.6 | — | 78.4 | 78.6 | 77.1 |
| Standard Deviation | — | — | — | 3.6 | 4.4 | 4.2 |
| FIRST LANGUAGE | | | | | | |
| Percent English | 100 | 100 | — | 100 | 100 | 100 |
| BEST MATCHED SITE | | | | Chattanooga, TN | | |

### Table C4-IIEF-24

### MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES COHORT II ENTERING FIRST SITES IN THE BANK STREET MODEL

| | ALL SITES | | SPONSOR'S SITES | | | MACON CO., AL | | |
|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | | FT | NFT | |
| | | | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | |
| Mean | 36.10 | 37.29 | 38.85 | 24.83 | — | 38.85 | 24.83 | 28.90 |
| Standard Deviation | | | — | — | — | 16.49 | 7.34 | 15.17 |
| TOTAL MATHEMATICS | | | | | | | | |
| Mean | 46.79 | 47.93 | 47.23 | 39.12 | — | 47.23 | 39.12 | 37.50 |
| Standard Deviation | | | — | — | — | 17.99 | 11.72 | 16.13 |
| LANGUAGE | | | | | | | | |
| Mean | 18.13 | 18.20 | 17.80 | 16.88 | — | 17.80 | 16.88 | 13.05 |
| Standard Deviation | | | — | — | — | 5.51 | 4.30 | 5.24 |
| SPELLING | | | | | | | | |
| Mean | 15.76 | 14.48 | 15.35 | 7.75 | — | 15.35 | 7.75 | 6.68 |
| Standard Deviation | | | — | — | — | 13.94 | 6.94 | 8.20 |
| RAVEN'S PROGRESSIVE MAT. | | | | | | | | |
| Mean | 16.49 | 17.43 | 14.89 | 14.00 | — | 14.89 | 14.00 | 16.76 |
| Standard Deviation | | | — | — | — | 4.86 | 4.03 | 4.62 |
| COOPERSMITH'S SELF-EST. | | | | | | | | |
| Mean | 35.35 | 35.93 | 35.21 | 36.67 | — | 35.21 | 36.67 | 34.10 |
| Standard Deviation | | | — | — | — | 6.35 | 5.37 | 7.64 |
| IARS-LOCUS NEGATIVE | | | | | | | | |
| Mean | 9.57 | 9.53 | 9.07 | 8.33 | — | 9.07 | 8.33 | 9.04 |
| Standard Deviation | | | — | — | — | 2.64 | 3.03 | 2.97 |
| IARS-LOCUS POSITIVE | | | | | | | | |
| Mean | 12.30 | 12.49 | 11.24 | 12.04 | — | 11.24 | 12.04 | 12.02 |
| Standard Deviation | | | — | — | — | 2.33 | 2.14 | 2.48 |
| WORD KNOWLEDGE | | | | | | | | |
| Mean | 20.39 | 20.34 | 23.65 | 12.54 | — | 23.65 | 12.54 | 15.34 |
| Standard Deviation | | | — | — | — | 13.27 | 4.80 | 9.89 |
| READING | | | | | | | | |
| Mean | 15.72 | 16.98 | 15.19 | 12.29 | — | 15.19 | 12.29 | 13.56 |
| Standard Deviation | | | — | — | — | 5.33 | 3.87 | 6.14 |
| MATH COMPUTATIONS | | | | | | | | |
| Mean | 18.34 | 18.29 | 20.01 | 15.87 | — | 20.01 | 15.87 | 14.02 |
| Standard Deviation | | | — | — | — | 7.88 | 5.54 | 5.88 |
| MATH CONCEPTS | | | | | | | | |
| Mean | 15.41 | 15.82 | 14.21 | 12.54 | — | 14.21 | 12.54 | 12.43 |
| Standard Deviation | | | — | — | — | 6.40 | 4.43 | 6.74 |
| MATH PROBLEM SOLVING | | | | | | | | |
| Mean | 13.03 | 13.83 | 13.00 | 10.71 | — | 13.00 | 10.71 | 11.05 |
| Standard Deviation | | | — | — | — | 5.46 | 3.69 | 5.57 |
| LANGUAGE PART A | | | | | | | | |
| Mean | 7.37 | 7.34 | 6.73 | 5.00 | — | 6.73 | 5.00 | 5.82 |
| Standard Deviation | | | — | — | — | 2.62 | 2.30 | 3.13 |
| LANGUAGE PART B | | | | | | | | |
| Mean | 10.75 | 10.86 | 11.07 | 11.88 | — | 11.07 | 11.88 | 7.23 |
| Standard Deviation | | | — | — | — | 3.96 | 3.39 | 3.70 |
| BEST MATCH SITE | | | | | | Chattanooga, TN | | |

## Table C4-IIEF-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT II-EF LOCAL ANALYSES FOR THE BANK STREET MODEL

CODE

**FEW** = Fall Entering WRAT
**NOFEW** = Missing WRAT
**INCOME** = Income
**SEX** = Sex
**OCCUP** = Occupation
**ETH1** = White vs. Black
**NOINC** = Missing Income
**ENTAGE** = Entry Age
**NOOCCUP** = Missing Occupation

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .13262430 | .21403432 |
| NOFEW | -16.035049 | 8.3985262 |
| INCOME | .6[illegible]E-03 | .13704073E-02 |
| SEX | 6.3540087 | 4.7109917 |
| OCCUP | .47122595 | 1.2960235 |
| ETH1 | 3.[illegible] | 12.497327 |
| NOINC | 1.0575862 | 14.253353 |
| ENTAGE | -.29546477 | .65796784 |
| NOOCCUP | -.83355634 | 14.188889 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .25659113 | .23271797 |
| NOFEW | -3.3171010 | 9.5742121 |
| INCOME | .43[illegible]E-03 | .12209791E-02 |
| SEX | 3.92855[illegible] | 5.3732747 |
| OCCUP | .[illegible] | 1.4702217 |
| ETH1 | 1.7708417 | 14.254233 |
| NOINC | -2.788456 | 16.257125 |
| ENTAGE | -.21547305 | .75146060 |
| NOOCCUP | 4.5011354 | 16.183579 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .87155184E-01 | .17309379 |
| NOFEW | -9.9662845 | 7.1249421 |
| INCOME | .544[illegible]78E-03 | .90815457E-03 |
| SEX | 6.[illegible]2 | 3.9965992 |
| OCCUP | .681[illegible]E-01 | 1.0994894 |
| ETH1 | 5.8452274 | 10.602186 |
| NOINC | 1.5443419 | 12.091921 |
| ENTAGE | -.22625923 | .55819112 |
| NOOCCUP | -1.315542 | 12.037233 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .13256826 | .68027966E-01 |
| NOFEW | -2.9849[illegible]4 | 2.8001890 |
| INCOME | .17172[illegible]E-03 | .35691588E-03 |
| SEX | .24121096 | 1.5797121 |
| OCCUP | .29276085 | .43211279 |
| ETH1 | -1.085293 | 4.1667080 |
| NOINC | -.68[illegible] | 4.7522722 |
| ENTAGE | .2[illegible] | .21937590 |
| NOOCCUP | .43906281 | 4.7327790 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .54417637E-01 | .66498604E-01 |
| NOFEW | -1.2655114 | 2.7372369 |
| INCOME | -.4375[illegible]E-04 | .34889184E-03 |
| SEX | -1.[illegible]387 | 1.5354004 |
| OCCUP | .22375273E-01 | .92239831 |
| ETH1 | 1.4077544 | 4.1731129 |
| NOINC | -2.61[illegible] | 4.6454346 |
| ENTAGE | .3[illegible]E-01 | .21444413 |
| NOOCCUP | 2.565250 | 4.6244247 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .46461465E-01 | .97386133E-01 |
| NOFEW | 1.3026975 | 3.5970160 |
| INCOME | -.2[illegible]176192E-03 | .45848043E-03 |
| SEX | .9327[illegible]1096 | 2.0176769 |
| OCCUP | .2352[illegible]248 | .55507563 |
| ETH1 | .5[illegible]E-01 | 5.3524971 |
| NOINC | -3.7987437 | 6.1045677 |
| ENTAGE | .961[illegible]E-01 | .28190193 |
| NOOCCUP | [illegible].5582689 | 6.0769785 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .33479762E-01 | .30724064E-01 |
| NOFEW | .11232591 | 1.2546738 |
| INCOME | .35278[illegible]96E-04 | .16111970E-03 |
| SEX | .71695145 | .71939442 |
| OCCUP | .11[illegible] | .19515987 |
| ETH1 | -.921[illegible] | 1.3818828 |
| NOINC | 2.9877[illegible]75 | 2.1463101 |
| ENTAGE | -.4[illegible]E-02 | .99078653E-01 |
| NOOCCUP | -3.[illegible]31994 | 2.1366030 |

**COHORT II-EF STUDY**
**Non-Preschool Adjusted**

## Table C4-IIEF-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .22273620E-01 | .38425483E-01 |
| NOFEW | -.93718520 | 1.5816821 |
| INCOME | .91836923E-04 | .20160330E-03 |
| SEX | -.37208271 | .99721414 |
| OCCUP | .44373422E-01 | .24457819 |
| ETH1 | .31467970 | 2.3536033 |
| NOINC | -2.4039817 | 2.6443130 |
| ENTAGE | -.76744934E-02 | .12391411 |
| NOOCCUP | 2.4599765 | 2.6721727 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | -.12831841E-01 | .16303955 |
| NOFEW | -5.1892333 | 4.7111662 |
| INCOME | .61886423E-03 | .85541395E-03 |
| SEX | 6.4156631 | 3.7644547 |
| OCCUP | .32959879 | 1.0356252 |
| ETH1 | 1.3176171 | 9.5863524 |
| NOINC | 3.8134463 | 11.389556 |
| ENTAGE | -.14659293 | .52576830 |
| NOOCCUP | -4.3331266 | 11.338044 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .11545122 | .66350090E-01 |
| NOFEW | -4.6177354 | 2.7323586 |
| INCOME | .83939311E-04 | .34827005E-03 |
| SEX | -.65284121E-01 | 1.5326640 |
| OCCUP | .14132657 | .42164551 |
| ETH1 | 1.6968309 | 4.0658538 |
| NOINC | -2.7556411 | 4.6371555 |
| ENTAGE | -.14881184 | .21466185 |
| NOOCCUP | 2.4995773 | 4.6161830 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .11234432 | .84471217E-01 |
| NOFEW | -.29470874 | 3.4770313 |
| INCOME | .32994311E-04 | .44313703E-03 |
| SEX | .23116230 | 1.9503738 |
| OCCUP | .17977410 | .53655612 |
| ETH1 | .15759619 | 5.1739553 |
| NOINC | -3.6060121 | 5.9009586 |
| ENTAGE | -.21702212 | .27240194 |
| NOOCCUP | 2.5146473 | 5.8742704 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .60970295E-01 | .10124543 |
| NOFEW | -1.7435831 | 4.1674968 |
| INCOME | .36183399E-03 | .53119466E-03 |
| SEX | 2.4541181 | 2.2376771 |
| OCCUP | .32168111 | .64310569 |
| ETH1 | 1.3101695 | 6.2013942 |
| NOINC | -6.9144846 | 7.0727651 |
| ENTAGE | -.13408828E-01 | .32649524 |
| NOOCCUP | 4.5567181 | 7.0407771 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .77523170E-01 | .71794612E-01 |
| NOFEW | -1.3144597 | 2.9554387 |
| INCOME | .35329507E-04 | .37670413E-03 |
| SEX | 1.2446764 | 1.6577965 |
| OCCUP | .21297654 | .45607024 |
| ETH1 | .31109411 | 4.3978055 |
| NOINC | -2.2683594 | 5.0157504 |
| ENTAGE | -.28270889E-03 | .23153867 |
| NOOCCUP | 2.3207717 | 4.7730656 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .62409952E-01 | .34347112E-01 |
| NOFEW | -.80798552 | 1.4014583 |
| INCOME | .81313135E-04 | .17963171E-03 |
| SEX | .36203499 | .78612099 |
| OCCUP | .10821102 | .21626683 |
| ETH1 | -1.4095556 | 2.0854232 |
| NOINC | .55614366 | 2.3764504 |
| ENTAGE | -.26002248E-03 | .10979479 |
| NOOCCUP | -.78125593 | 2.3676934 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .70853780E-01 | .51230967E-01 |
| NOFEW | -2.1819934 | 2.1087855 |
| INCOME | .90413675E-04 | .26970860E-03 |
| SEX | -.12003541 | 1.1028827 |
| OCCUP | .18405744 | .32541047 |
| ETH1 | .32102638 | 3.1379533 |
| NOINC | -1.1934517 | 3.5788737 |
| ENTAGE | .26090409 | .16520911 |
| NOOCCUP | 1.2203187 | 3.5626875 |

## Table C5-IIIK-1

## ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT III KINDERGARTEN SITES IN THE DIRECT INSTRUCTION MODEL

| | | NEW YORK, NY | | | GRAND RAPIDS, MI | | | W. IRON CO., MI | | | FLINT, MI | | | PROVIDENCE, RI | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 8.3 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 |
| | Number | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| BLACK | Percent | 93.6 | 80.7 | 83.3 | 87.6 | 93.9 | 87.5 | 0.0 | 0.0 | 0.0 | 100.0 | 78.1 | 97.3 | 75.8 | 42.9 | 100.0 |
| | Number | 29 | 167 | 15 | 127 | 62 | 21 | 0 | 0 | 0 | 42 | 32 | 36 | 72 | 21 | 49 |
| ORIENTAL | Percent | 0.0 | 2.9 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | 5.6 | 1.4 | 3.0 | 0.0 | 0.0 | 0.0 | 58.3 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 7 | 0 | 1 | 0 | 0 | 0 | 0 |
| PUERTO RICAN | Percent | 6.5 | 14.5 | 0.0 | 1.4 | 0.0 | 8.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 1.1 | 0.0 | 0.0 |
| | Number | 2 | 30 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WHITE | Percent | 0.0 | 1.9 | 0.0 | 9.0 | 3.0 | 4.2 | 100.0 | 100.0 | 33.3 | 0.0 | 19.5 | 0.0 | 23.2 | 55.1 | 0.0 |
| | Number | 0 | 4 | 0 | 13 | 2 | 1 | 17 | 43 | 4 | 0 | 8 | 0 | 22 | 27 | 0 |
| OTHER | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BEST MATCHED SITE | | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

646

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C5-IIIK-2

## DISTRIBUTION OF BACKGROUND VARIABLES
## COHORT III KINDERGARTEN CHILDREN
## FOR THE DIRECT INSTRUCTION MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | GRAND RAPIDS, MI | | | W. IRON CO., MI | | | FLINT, MI | | | PROVIDENCE, RI | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| CHILDREN IN ANALYTIC SAMPLE Number | — | — | — | 31 | 207 | 18 | 145 | 66 | 24 | 17 | 43 | 12 | 42 | 41 | 37 | 95 | 49 | 49 |
| FALL KINDERGARTEN WRAT Mean Score | 31.8 | 31.4 | — | 34.8 | 31.1 | 30.3 | 27.3 | 25.1 | 26.3 | 34.5 | 41.6 | 36.8 | 33.1 | 26.9 | 30.0 | 29.1 | 32.2 | 30.3 |
| PERCENT WITH PRESCHOOL | 83 | 45 | — | 71 | 48 | 17 | 83 | 28 | 29 | 82 | 42 | 33 | 79 | 46 | 41 | 100 | 61 | 61 |
| Number Responding | — | — | — | 31 | 163 | 12 | 143 | 47 | 24 | 17 | 43 | 12 | 42 | 39 | 32 | 95 | 36 | 36 |
| CHILDREN'S ETHNICITY | | | | | | | | | | | | | | | | | | |
| Percent Black | 71 | 59 | — | 94 | 81 | 83 | 88 | 94 | 88 | 0 | 0 | 0 | 100 | 78 | 97 | 76 | 43 | 100 |
| Percent White | 26 | 36 | — | 0 | 2 | 0 | 9 | 3 | 4 | 100 | 100 | 33 | 0 | 20 | 0 | 23 | 55 | 0 |
| Percent Other | 2 | 5 | — | 6 | 17 | 17 | 3 | 3 | 8 | 0 | 0 | 67 | 0 | 2 | 3 | 1 | 2 | 0 |
| MEDIAN FAMILY INCOME | 3888 | 6145 | — | 4300 | 5775 | 4500 | 3750 | 5050 | 4400 | 4400 | 7967 | 6800 | 3866 | 6900 | 5050 | 3125 | 5033 | 2500 |
| Number Responding | — | — | — | 20 | 39 | 10 | 48 | 37 | 24 | 17 | 40 | 11 | 37 | 34 | 27 | 40 | 30 | 31 |
| MOTHER'S EDUCATION Percent H.S. Graduates | 47 | 51 | — | 61 | 33 | 40 | 42 | 34 | 25 | 50 | 84 | 70 | 38 | 37 | 50 | 43 | 66 | 47 |
| Number Responding | — | — | — | 23 | 46 | 10 | 48 | 41 | 24 | 16 | 43 | 10 | 37 | 35 | 28 | 40 | 29 | 30 |
| FEMALE HEADS OF HOUSEHOLD Percent | 52 | 30 | — | 39 | 30 | 30 | 43 | 41 | 50 | 24 | 2 | 17 | 76 | 37 | 59 | 78 | 41 | 71 |
| BEST MATCHED SITE | | | | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

Table C5-IIIK-3

## TEACHER BACKGROUND CHARACTERISTICS FOR COHORT III-K SITES IN DIRECT INSTRUCTION MODEL

| | New York, NY | | Grand Rapids, MI | | W. Iron Co., MI | | Flint, MI | | Providence, RI | |
|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| YEARS OF ELEMENTARY TEACHING EXPERIENCE | | | | | | | | | | |
| Mean | 6.00 | 8.85 | 3.87 | 8.27 | 5.00 | 7.00 | 5.75 | 9.33 | 4.60 | 8.21 |
| Standard Deviation | 1.41 | 6.06 | 3.18 | 3.71 | 0 | 6.05 | 1.70 | 5.50 | 3.64 | 5.67 |
| N | 2 | 20 | 8 | 11 | 1 | 4 | 4 | 3 | 5 | 19 |
| YEARS IN SCHOOL | | | | | | | | | | |
| Mean | 6.00 | 7.80 | 2.75 | 6.45 | 5.00 | 4.75 | 5.75 | 9.66 | 1.40 | 5.10 |
| Standard Deviation | 1.41 | 5.81 | 1.58 | 3.53 | 0 | 3.86 | 1.70 | 5.77 | 0.89 | 2.94 |
| N | 2 | 20 | 8 | 11 | 1 | 4 | 4 | 3 | 5 | 19 |
| YEARS IN MODEL | | | | | | | | | | |
| Mean | 5.00 | 2.00 | 2.71 | 0 | 5.00 | 1.75 | 4.25 | 13.00 | 3.00 | 0.50 |
| Standard Deviation | 0 | 3.00 | 1.11 | 0 | 0 | 1.76 | 1.50 | 0 | 1.00 | 0 |
| N | 2 | 6 | 7 | 0 | 1 | 2 | 4 | 1 | 5 | 1 |
| TEACHER'S EDUCATION | | | | | | | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % with B.A. | 0 | 10.0 | 62.5 | 36.4 | 0 | 25.0 | 0 | 50.0 | 0 | 0 |
| % Some Graduate | 50.0 | 25.0 | 37.5 | 36.4 | 100.0 | 75.0 | 50.0 | 50.0 | 80.0 | 36.8 |
| % M.A. or More | 50.0 | 65.0 | 0 | 27.3 | 0 | 0 | 50.0 | 0 | 20.0 | 63.2 |
| N | 2 | 20 | 8 | 11 | 1 | 4 | 4 | 2 | 5 | 19 |
| TEACHER'S CERTIFICATION | | | | | | | | | | |
| % None | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Temporary | 0 | 10.5 | 50.0 | 9.1 | 0 | 25.0 | 0 | 33.3 | 60.0 | 29.4 |
| % Renewable/Permanent | 100.0 | 89.5 | 50.0 | 90.9 | 100.0 | 75.0 | 100.0 | 66.7 | 40.0 | 70.6 |
| N | 2 | 19 | 8 | 11 | 1 | 4 | 4 | 3 | 5 | 17 |
| TEACHER'S ETHNICITY | | | | | | | | | | |
| % White | 100.0 | 68.4 | 62.5 | 90.9 | 100.0 | 100.0 | 100.0 | 33.3 | 40.0 | 84.2 |
| % Black | 0 | 26.3 | 37.5 | 9.1 | 0 | 0 | 0 | 66.7 | 60.0 | 15.8 |
| % Spanish Surname | 0 | 5.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N | 2 | 19 | 8 | 11 | 1 | 4 | 4 | 3 | 5 | 19 |
| AGE IN YEARS | | | | | | | | | | |
| Mean | 32.00 | 36.15 | 25.62 | 39.63 | 35.0 | 30.0 | 36.75 | 36.00 | 26.40 | 32.73 |
| Standard Deviation | 8.48 | 11.21 | 3.46 | 11.53 | 0 | 9.05 | 12.42 | 10.39 | 3.36 | 9.91 |
| N | 2 | 19 | 8 | 11 | 1 | 4 | 4 | 3 | 5 | 19 |

## Table C5-IIIK-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1975) FOR THE COHORT III KINDERGARTEN SITES IN THE DIM MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | GRAND RAPIDS, MI | | | W. IRON CO., MI | | | FLINT, MI | | | PROVIDENCE, RI | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 60.0 | 51.9 | — | 55.4 | 52.6 | 53.3 | 54.3 | 54.0 | 56.8 | 57.5 | 52.2 | 54.7 | 70.3 | 47.6 | 50.8 | 62.6 | 52.9 | 51.1 |
| Number | 5 | 5 | — | 2 | 20 | 1 | 8 | 11 | 6 | 1 | 4 | 3 | 4 | 3 | 7 | 5 | 19 | 14 |
| Local Mean Difference | 8.2 | — | — | 2.8 | — | — | — | — | — | 5.3 | — | — | 22.7 | — | — | 9.7 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | 2.8 | — | — | 19.5 | — | — | 11.5 | — | — |
| FLEXIBLE CLASSROOM | 41.9 | 49.8 | — | 47.8 | 47.6 | 55.2 | 42.7 | 49.8 | 44.7 | 29.3 | 50.6 | 58.9 | 41.3 | 49.0 | 43.6 | 48.5 | 51.9 | 42.8 |
| Number | 5 | 5 | — | 2 | 20 | 1 | 8 | 11 | 6 | 1 | 4 | 3 | 4 | 3 | 7 | 5 | 19 | 14 |
| Local Mean Difference | -7.8 | — | — | — | — | — | -7.1 | — | — | -21.2 | — | — | -7.7 | — | — | -3.3 | — | — |
| Best Match Mean Difference | — | — | — | -7.4 | — | — | — | — | — | -29.6 | — | — | — | — | — | 5.8 | — | — |
| INDIVIDUALIZATION | 42.4 | 48.4 | — | 34.5 | 44.8 | 48.4 | 47.3 | 52.2 | 46.1 | 34.5 | 49.6 | 48.4 | 47.3 | 43.8 | 45.8 | 48.4 | 51.8 | 44.1 |
| Number | 5 | 5 | — | 2 | 20 | 1 | 8 | 11 | 6 | 1 | 4 | 3 | 4 | 3 | 7 | 5 | 19 | 14 |
| Local Mean Difference | -6.1 | — | — | -10.3 | — | — | -5.0 | — | — | -15.1 | — | — | 3.5 | — | — | -3.4 | — | — |
| Best Match Mean Difference | — | — | — | -13.9 | — | — | — | — | — | -13.9 | — | — | — | — | — | 4.3 | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 54.6 | 49.4 | — | 60.9 | 50.3 | — | 54.2 | 45.8 | 50.7 | 52.5 | 45.8 | 44.7 | 55.9 | 54.4 | 49.2 | 49.2 | 50.6 | 50.9 |
| Number | 5 | 5 | — | 2 | 18 | 0 | 8 | 11 | 6 | 1 | 4 | 3 | 4 | 3 | 7 | 5 | 19 | 14 |
| Local Mean Difference | 5.2 | — | — | 10.7 | — | — | 8.4 | — | — | 6.7 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 3.5 | — | — | 7.9 | — | — | 6.7 | — | — | — | — | — |
| SATISFACTION WITH SPONSOR | 45.3 | 42.1 | — | 44.6 | 48.0 | — | 43.7 | 41.3 | 51.0 | 27.7 | 35.0 | 48.5 | 57.8 | 47.1 | 41.7 | 52.5 | 39.4 | 45.6 |
| Number | 5 | 5 | — | 2 | 7 | 0 | 8 | 9 | 2 | 1 | 4 | 1 | 4 | 2 | 5 | 5 | 10 | 8 |
| Local Mean Difference | 3.1 | — | — | -3.4 | — | — | — | — | — | -7.3 | — | — | 10.7 | — | — | 13.2 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -7.4 | — | — | -20.8 | — | — | 16.1 | — | — | 7.0 | — | — |
| BEST MATCHED SITE | | | | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

## Table C5-IIIK-5

STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1975)
FOR THE COHORT III NON-PRESCHOOL SITES
IN THE [illegible]

| | SPONSOR'S SITES | | | NEW YORK, NY | | | GRAND RAPIDS, MI | | | W. IRON CO., MI | | | FLINT, MI | | | PROVIDENCE, RI | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 49.4 | 51.4 | — | 54.1 | 51.9 | 45.9 | 49.9 | 50.8 | 45.6 | 52.2 | 51.2 | 48.8 | 49.3 | 52.0 | 48.3 | 41.4 | 51.1 | 48.4 |
| Number | 5 | 5 | — | 12 | 125 | 13 | 34 | 34 | 23 | 17 | 19 | 12 | 26 | 29 | 27 | 30 | 30 | 29 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | -2.7 | — | — | -9.7 | — | — |
| Best Match Mean Difference | — | — | — | 8.2 | — | — | — | — | — | 3.4 | — | — | — | — | — | -7.0 | — | — |
| SCHOOL HELPED CHILD | 51.2 | 49.2 | — | 47.4 | 49.2 | 42.9 | 53.2 | 49.8 | 44.8 | 49.1 | 54.3 | 54.4 | 52.6 | 44.6 | 51.9 | 53.8 | 48.0 | 48.0 |
| Number | 5 | 5 | — | 12 | 124 | 13 | 34 | 34 | 23 | 17 | 19 | 12 | 26 | 29 | 27 | 30 | 30 | 29 |
| Local Mean Difference | — | — | — | — | — | — | 3.4 | — | — | -5.1 | — | — | 8.0 | — | — | 5.7 | — | — |
| Best Match Mean Difference | — | — | — | 4.5 | — | — | 8.4 | — | — | -5.3 | — | — | — | — | — | 5.8 | — | — |
| PAC INVOLVEMENT | 56.1 | 45.6 | — | 61.2 | 45.2 | 45.9 | 54.5 | 44.8 | 43.1 | 58.1 | 45.3 | 47.1 | 56.4 | 45.8 | 47.7 | 50.5 | 46.7 | 43.9 |
| Number | 5 | 5 | — | 12 | 99 | 13 | 32 | 31 | 22 | 17 | 18 | 11 | 24 | 18 | 24 | 30 | 28 | 25 |
| Local Mean Difference | 10.6 | — | — | 16.0 | — | — | 9.6 | — | — | 12.8 | — | — | 10.6 | — | — | 3.8 | — | — |
| Best Match Mean Difference | — | — | — | 15.4 | — | — | 11.4 | — | — | 11.1 | — | — | 8.7 | — | — | 6.6 | — | — |
| CHILD READS AT HOME | 50.6 | 48.8 | — | 50.3 | 52.6 | 52.7 | 49.7 | 46.8 | 50.2 | 51.5 | 46.2 | 49.8 | 54.0 | 52.3 | 52.6 | 47.2 | 46.2 | 52.9 |
| Number | 5 | 5 | — | 12 | 125 | 13 | 34 | 34 | 23 | 17 | 19 | 12 | 26 | 29 | 27 | 30 | 30 | 29 |
| Local Mean Difference | — | — | — | — | — | — | 2.9 | — | — | 5.4 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | -5.6 | — | — |
| CHILD'S PROG IN SCHOOL | 50.5 | 51.8 | — | 50.2 | 50.6 | 49.0 | 49.4 | 49.4 | 42.1 | 45.3 | 56.9 | 52.4 | 55.7 | 47.1 | 51.4 | 52.1 | 55.1 | 45.9 |
| Number | 5 | 5 | — | 12 | 125 | 13 | 34 | 34 | 23 | 17 | 19 | 12 | 26 | 29 | 27 | 30 | 30 | 29 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | -11.6 | — | — | 8.6 | — | — | -2.9 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 7.3 | — | — | -7.1 | — | — | 4.3 | — | — | 6.2 | — | — |
| CHILD READ TO AT HOME | 49.2 | 49.4 | — | 51.2 | 51.8 | 51.5 | 48.8 | 47.5 | 47.6 | 52.3 | 49.2 | 48.3 | 49.1 | 52.5 | 50.5 | 44.6 | 46.1 | 52.2 |
| Number | 5 | 5 | — | 12 | 125 | 13 | 34 | 34 | 23 | 17 | 19 | 12 | 26 | 29 | 27 | 30 | 30 | 29 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | 3.1 | — | — | -3.4 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | 4.0 | — | — | — | — | — | -7.7 | — | — |
| PARENT VISITS TO SCHOOL | 50.7 | 48.4 | — | 53.3 | 50.7 | 48.5 | 47.6 | 47.6 | 50.4 | 52.2 | 46.6 | 48.9 | 53.4 | 49.8 | 51.4 | 46.9 | 47.5 | 50.6 |
| Number | 5 | 5 | — | 12 | 125 | 13 | 34 | 34 | 23 | 17 | 19 | 12 | 26 | 29 | 27 | 30 | 30 | 29 |
| Local Mean Difference | — | — | — | 2.6 | — | — | — | — | — | 5.6 | — | — | 3.6 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 4.8 | — | — | -2.8 | — | — | 3.3 | — | — | — | — | — | -3.7 | — | — |
| CHILD'S EMOT ADJUST | 49.3 | 49.9 | — | 50.3 | 51.5 | 44.8 | 47.1 | 50.6 | 49.2 | 45.5 | 48.2 | 45.3 | 54.1 | 49.2 | 51.5 | 49.0 | 49.9 | 51.7 |
| Number | 5 | 5 | — | 12 | 124 | 13 | 34 | 34 | 23 | 17 | 19 | 12 | 26 | 29 | 27 | 30 | 30 | 29 |
| Local Mean Difference | — | — | — | — | — | — | -3.5 | — | — | -2.6 | — | — | 4.9 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 5.5 | — | — | — | — | — | — | — | — | 2.6 | — | — | — | — | — |
| SCH HELPED WITH CHILD | 53.5 | 49.1 | — | 55.4 | 49.3 | 44.4 | 53.9 | 50.8 | 46.5 | 53.8 | 49.6 | 47.8 | 55.8 | 50.1 | 45.6 | 48.6 | 45.4 | 48.3 |
| Number | 5 | 5 | — | 12 | 124 | 13 | 34 | 34 | 23 | 17 | 19 | 12 | 26 | 29 | 27 | 30 | 30 | 29 |
| Local Mean Difference | 4.5 | — | — | 6.1 | — | — | 3.1 | — | — | 4.2 | — | — | 5.7 | — | — | 3.2 | — | — |
| Best Match Mean Difference | — | — | — | 11.0 | — | — | 7.4 | — | — | 6.0 | — | — | 10.2 | — | — | — | — | — |
| SCHOOL'S RECEPTIVITY | 50.9 | 51.5 | — | 47.1 | 51.7 | 49.8 | 52.5 | 51.2 | 47.7 | 52.2 | 50.1 | 47.5 | 54.3 | 54.4 | 48.6 | 48.2 | 50.2 | 48.9 |
| Number | 5 | 5 | — | 12 | 124 | 13 | 34 | 34 | 23 | 17 | 19 | 12 | 26 | 29 | 27 | 30 | 29 | 29 |
| Local Mean Difference | — | — | — | -4.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -2.7 | — | — | 4.8 | — | — | 4.8 | — | — | 5.7 | — | — | — | — | — |
| PARENT LOCUS | 49.0 | 48.8 | — | 48.1 | 49.8 | 50.7 | 52.7 | 51.0 | 51.3 | 46.1 | 44.4 | 49.8 | 49.2 | 48.0 | 52.0 | 49.0 | 50.9 | 53.4 |
| Number | 5 | 5 | — | 12 | 125 | 13 | 34 | 34 | 23 | 17 | 19 | 12 | 26 | 29 | 27 | 30 | 30 | 29 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -2.6 | — | — | — | — | — | -3.8 | — | — | -2.8 | — | — | -4.5 | — | — |
| SCH HELPED PERSONALLY | 53.3 | 49.2 | — | 58.3 | 46.8 | 45.7 | 49.1 | 50.3 | 47.3 | 50.1 | 49.4 | 45.3 | 56.2 | 50.2 | 48.5 | 53.0 | 49.4 | 47.4 |
| Number | 5 | 5 | — | 12 | 125 | 13 | 34 | 34 | 23 | 17 | 19 | 12 | 26 | 29 | 27 | 30 | 30 | 29 |
| Local Mean Difference | 4.1 | — | — | 11.5 | — | — | — | — | — | — | — | — | 6.0 | — | — | 3.5 | — | — |
| Best Match Mean Difference | — | — | — | 12.6 | — | — | — | — | — | 4.8 | — | — | 7.7 | — | — | 5.6 | — | — |
| PARENT-CHILD INTERACTION | 51.5 | 50.2 | — | 57.6 | 54.1 | 53.7 | 46.8 | 49.1 | 47.7 | 50.2 | 51.7 | 49.2 | 54.8 | 49.5 | 55.3 | 48.2 | 46.6 | 46.6 |
| Number | 5 | 5 | — | 12 | 125 | 13 | 34 | 34 | 23 | 17 | 19 | 12 | 26 | 29 | 27 | 30 | 30 | 29 |
| Local Mean Difference | — | — | — | 3.5 | — | — | — | — | — | — | — | — | 5.3 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 3.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| BEST MATCHED SITE | | | | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

## Table C5-IIIK-6

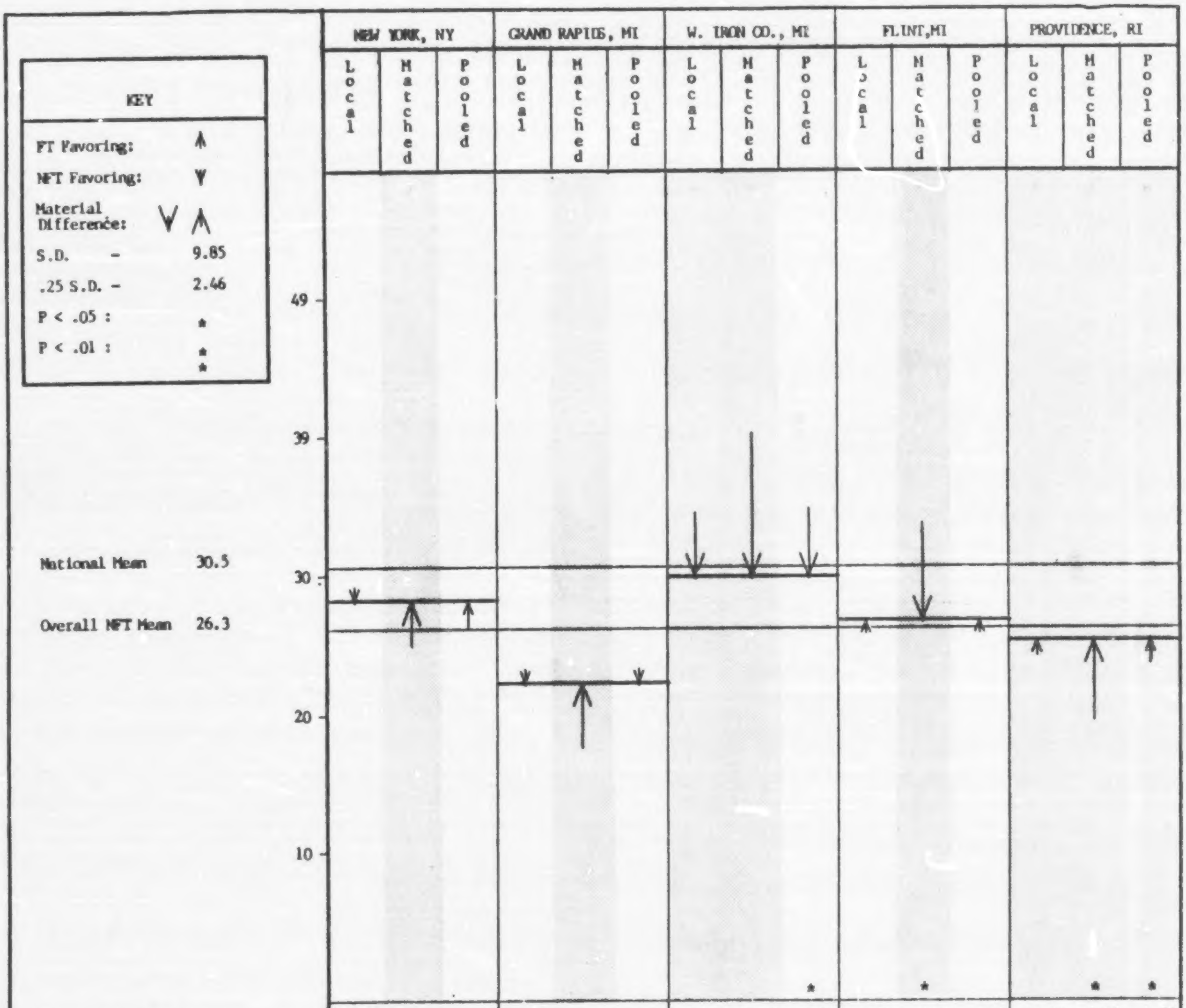
## PROPORTION OF ATTRITION AND DESCRIPTIVE INFORMATION FOR DIRECT INSTRUCTION MODEL

| | | New York, NY | | W. Iron Co., MI | | Flint, MI | | Providence, RI | | Grand Rapids, MI | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| NUMBER | | | | | | | | | | | |
| **Total Registration** | N | 73 | 764 | 52 | 62 | 121 | 142 | 250 | 180 | 316 | 209 |
| Children Retained (Analytic Sample) | N | 31 | 207 | 17 | 43 | 42 | 41 | 95 | 49 | 145 | 66 |
| Children Not Retained (Program and Sample Attrition) | N | 42 | 557 | 35 | 19 | 79 | 101 | 155 | 131 | 171 | 143 |
| | %* | 58 | 73 | 67 | 31 | 65 | 71 | 62 | 73 | 54 | 68 |
| Children Not Retained (Sample Attrition) | N | 6 | 90 | 20 | 54 | 3 | 2 | 13 | 4 | 25 | 26 |
| | %* | 8 | 12 | 6 | 56 | 6 | 3 | 11 | 3 | 10 | 14 |
| WRAT | | | | | | | | | | | |
| Total Registration | Mean | 36.0 | 31.5 | 31.5 | 39.4 | 32.4 | 27.6 | 29.0 | 29.4 | 27.4 | 25.7 |
| | Standard Deviation | 12.2 | 13.7 | 12.7 | 13.1 | 11.9 | 10.8 | 11.7 | 1.31 | 10.4 | 11.8 |
| | Number | 63 | 669 | 52 | 60 | 98 | 125 | 246 | 152 | 309 | 180 |
| Children Retained (Analytic Sample) | Mean | 34.8 | 31.1 | 34.5 | 41.6 | 33.1 | 26.9 | 29.1 | 32.2 | 27.3 | 25.1 |
| | Standard Deviation | 10.4 | 12.4 | 10.0 | 11.9 | 11.9 | 11.1 | 10.9 | 13.6 | 8.8 | 9.7 |
| | Number | 28 | 198 | 17 | 47 | 35 | 41 | 93 | 49 | 145 | 66 |
| Children Not Retained (Program and Sample Attrition) | Mean | 37.0 | 31.7 | 30.0 | 34.2 | 32.0 | 27.9 | 29.0 | 28.1 | 27.4 | 26.0 |
| | Standard Deviation | 13.5 | 14.2 | 13.7 | 14.7 | 12.0 | 10.7 | 12.1 | 12.7 | 11.6 | 12.9 |
| | Number | 35 | 471 | 35 | 18 | 63 | 84 | 153 | 103 | 164 | 114 |
| Children Not Retained (Sample Attrition) | Mean | 35.0 | 29.3 | 21.3 | 48.5 | 32.8 | 34.0 | 25.7 | 21.7 | 11.1 | 12.4 |
| | Standard Deviation | 11.5 | 15.5 | 3.2 | 9.1 | 16.0 | 15.3 | 12.1 | 11.0 | 20 | 54 |
| | Number | 6 | 89 | 3 | 2 | 12 | 4 | 25 | 26 | | |
| INCOME | | | | | | | | | | | |
| Total Registration | Mean | 4559 | 5934 | 4871 | 7075 | 4186 | 6481 | 3721 | 5364 | 4125 | 6092 |
| | Standard Deviation | 2565 | 2509 | 2368 | 2509 | 2409 | 2505 | 1934 | 2960 | 2121 | 3054 |
| | Number | 44 | 216 | 52 | 56 | 97 | 98 | 108 | 93 | 102 | 99 |
| Children Retained (Analytic Sample) | Mean | 4525 | 6090 | 4747 | 7140 | 4284 | 6997 | 3410 | 5746 | 4081 | 5689 |
| | Standard Deviation | 2444 | 2255 | 2558 | 2442 | 2457 | 2442 | 1639 | 3113 | 2151 | 2957 |
| | Number | 20 | 39 | 17 | 40 | 37 | 34 | 40 | 30 | 48 | 37 |
| Children Not Retained (Program and Sample Attrition) | Mean | 4587 | 5900 | 4931 | 6912 | 4125 | 6208 | 3904 | 5182 | 4165 | 6332 |
| | Standard Deviation | 2715 | 2566 | 2307 | 2744 | 2399 | 2514 | 2078 | 2892 | 2113 | 3109 |
| | Number | 24 | 177 | 35 | 16 | 60 | 64 | 68 | 63 | 54 | 62 |
| Children Not Retained (Sample Attrition) | Mean | 5860 | 5881 | 2900 | 6950 | 4444 | 7066 | 3777 | 4788 | 1875 | 5429 |
| | Standard Deviation | 3700 | 2489 | 1153 | 1060 | 2671 | 3494 | 1509 | 3228 | 478 | 3236 |
| | Number | 5 | 58 | 3 | 2 | 9 | 3 | 9 | 17 | 4 | 30 |

*Percent of Total Registration.

## Table C5-IIIK-7

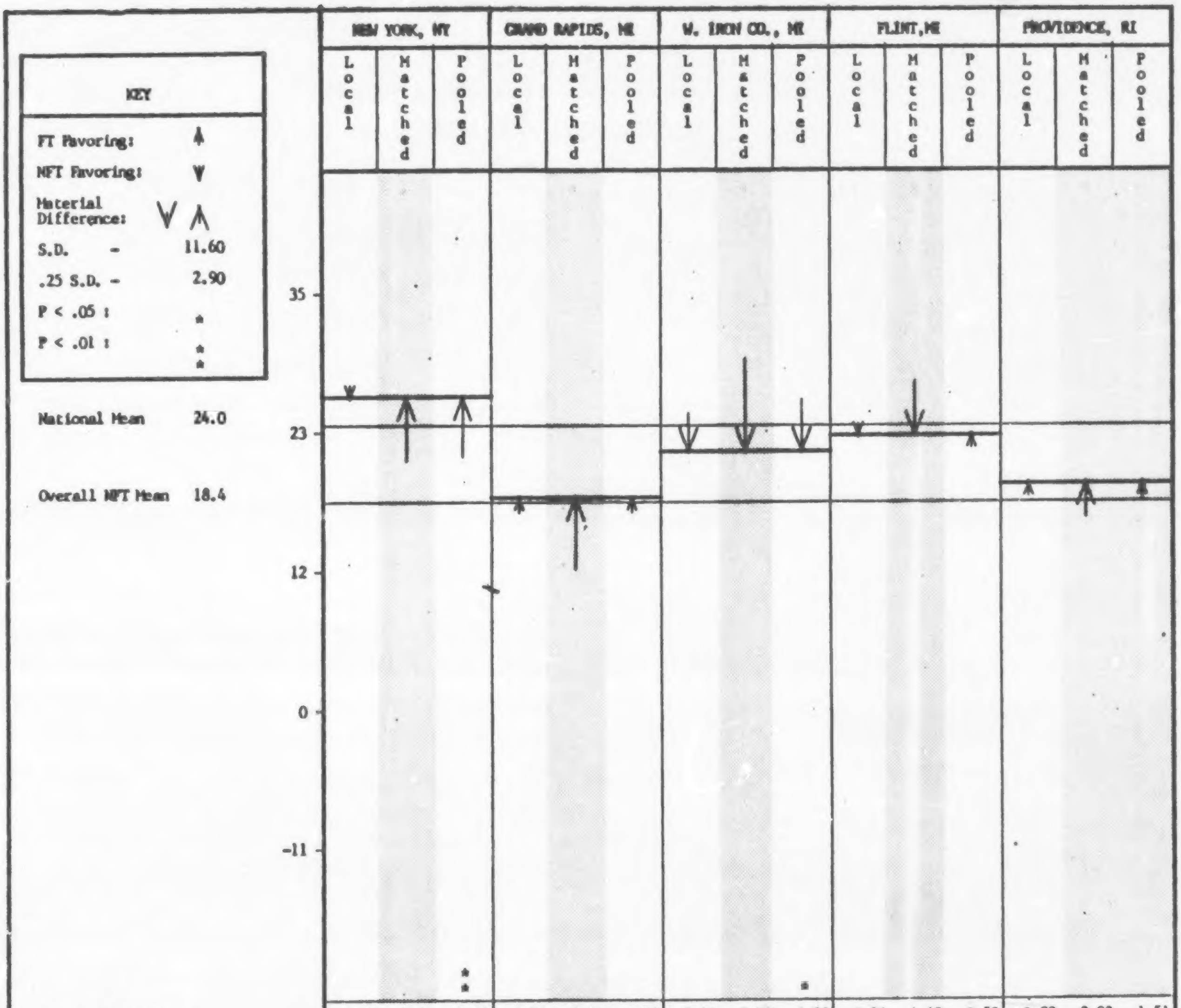
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT WORD KNOWLEDGE FOR COHORT III KINDERGARTEN SITES IN THE DIRECT INSTRUCTION MODEL



| | NEW YORK, NY | | | GRAND RAPIDS, MI | | | W. IRON CO., MI | | | FLINT, MI | | | PROVIDENCE, RI | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.08 | 3.23 | 1.89 | -0.86 | 4.70 | -0.72 | -4.52 | -10.05 | -4.76 | 0.01 | -6.91 | 1.07 | 0.61 | 5.67 | 1.55 |
| Standard Error | 2.36 | 3.56 | 1.52 | 1.80 | 3.39 | 0.67 | 3.45 | 6.29 | 2.37 | 2.67 | 2.68 | 0.94 | 2.17 | 2.40 | 0.73 |
| FT Mean | 28.07 | | | 22.21 | | | 29.71 | | | 26.60 | | | 25.02 | | |
| No. of FT Children | 31 | | | 145 | | | 17 | | | 42 | | | 95 | | |
| Matched NFT Site | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

### Table C5-IIIK-8

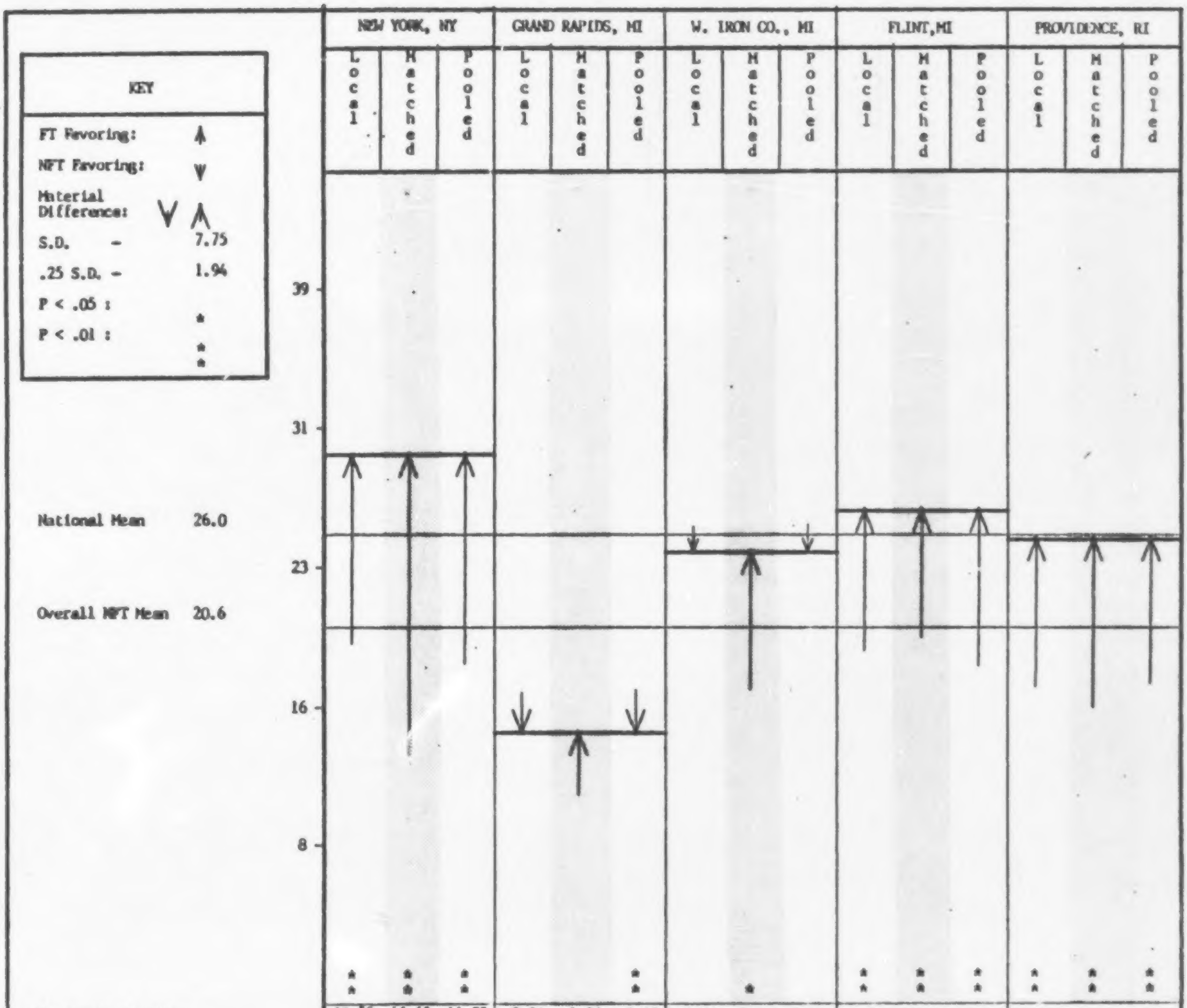
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT SPELLING FOR COHORT III KINDERGARTEN SITES IN THE DIRECT INSTRUCTION MODEL



| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.65 | 5.41 | 5.04 | 0.70 | 6.04 | 0.98 | -3.30 | -7.73 | -4.28 | -0.25 | -4.49 | 0.59 | 0.82 | 2.92 | 1.51 |
| Standard Error | 2.96 | 4.32 | 1.94 | 2.26 | 4.39 | 0.88 | 4.32 | 5.77 | 1.96 | 3.35 | 2.85 | 1.33 | 2.73 | 3.20 | 0.91 |
| FT Mean | 26.61 | | | 18.09 | | | 21.94 | | | 23.36 | | | 19.31 | | |
| No. of FT Children | 31 | | | 145 | | | 17 | | | 42 | | | 95 | | |
| Matched NFT Site | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

## Table C5-IIIK-9

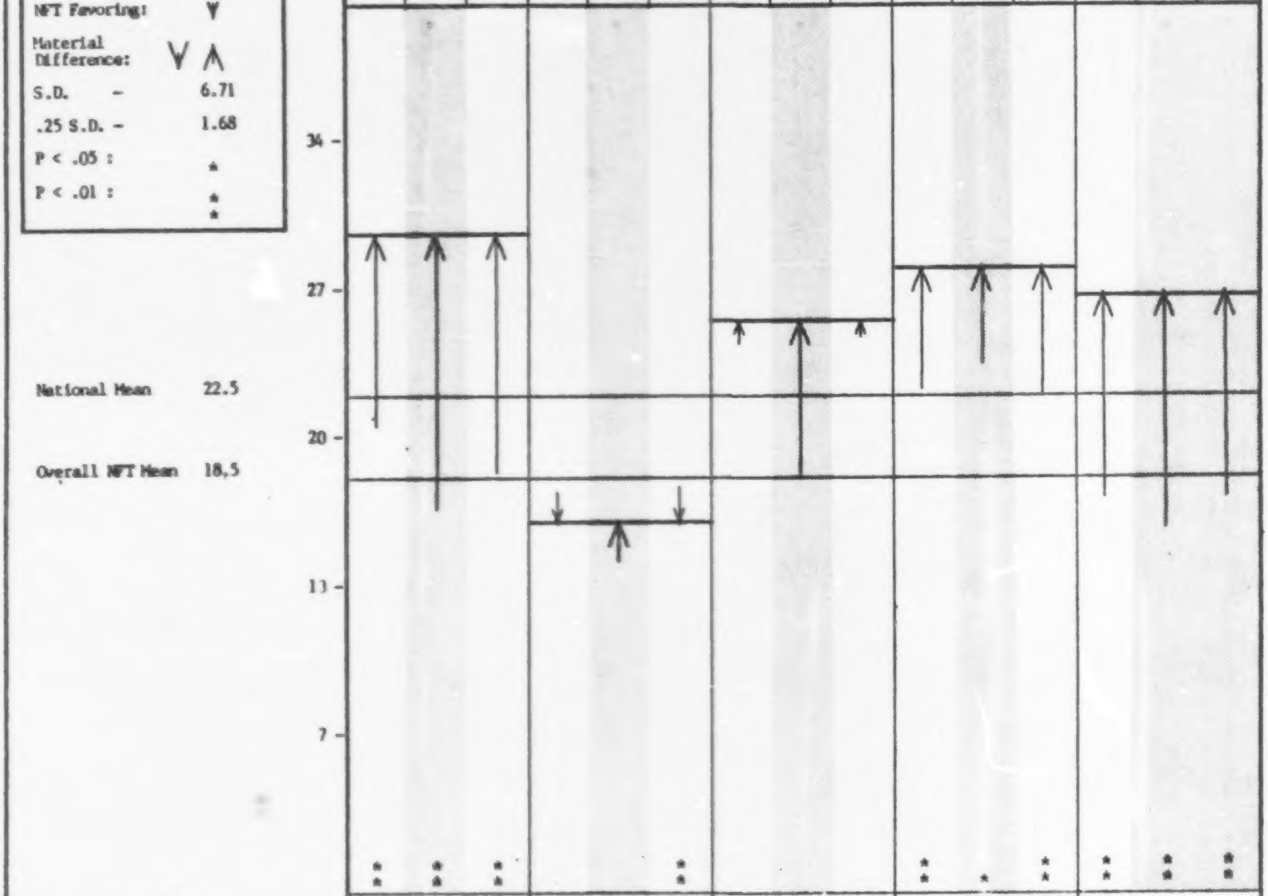
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT
## ON THE MAT LANGUAGE
## FOR COHORT III KINDERGARTEN SITES
## IN THE DIRECT INSTRUCTION MODEL



| | NEW YORK, NY | | | GRAND RAPIDS, MI | | | W. IRON CO., MI | | | FLINT, MI | | | PROVIDENCE, RI | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 10.53 | 16.68 | 11.75 | -2.30 | 3.36 | -2.47 | -1.50 | 7.62 | -1.60 | 7.70 | 7.05 | 8.60 | 8.29 | 9.40 | 8.16 |
| Standard Error | 2.02 | 3.36 | 1.54 | 1.54 | 2.17 | 0.45 | 2.96 | 3.75 | 1.38 | 2.29 | 2.49 | 1.32 | 1.87 | 2.33 | 0.79 |
| FT Mean | 30.13 | | | 14.50 | | | 24.59 | | | 26.93 | | | 25.41 | | |
| No. of FT Children | 31 | | | 145 | | | 17 | | | 42 | | | 95 | | |
| Matched NFT Site | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

## Table C5-IIIK-10

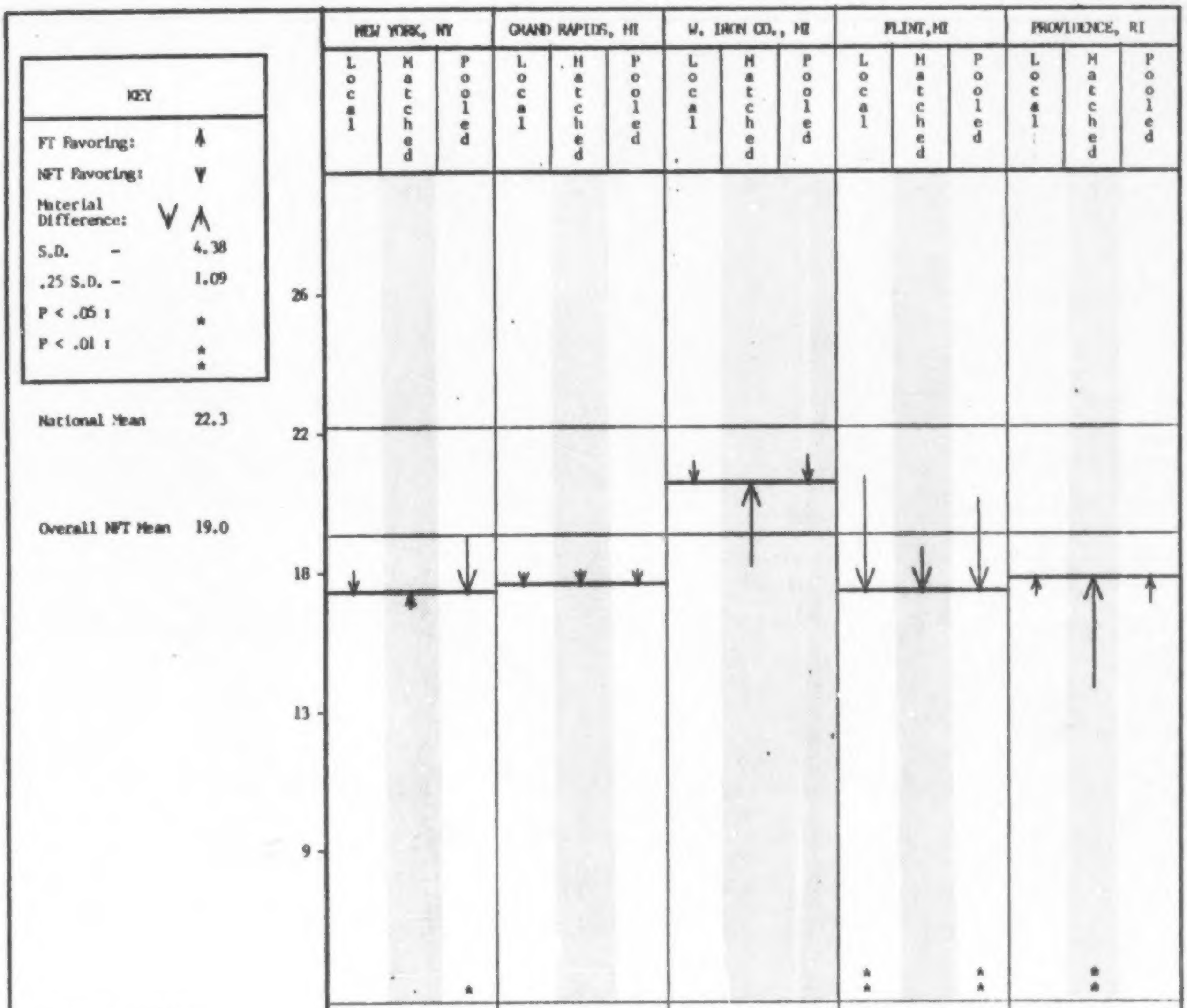
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT III KINDERGARTEN SITES IN THE DIRECT INSTRUCTION MODEL



| | NEW YORK, NY | | | GRAND RAPIDS, MI | | | W. IRON CO., MI | | | FLINT, MI | | | PROVIDENCE, RI | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | ** | ** | ** | | | ** | | | | ** | * | ** | ** | ** | ** |
| Magnitude of Effect | 8.62 | 12.44 | 10.74 | -1.43 | 1.71 | -1.63 | 0.97 | 6.98 | 0.71 | 5.47 | 4.35 | 5.86 | 9.27 | 10.66 | 9.18 |
| Standard Error | 1.81 | 2.46 | 1.04 | 1.38 | 2.08 | 0.46 | 2.64 | 4.25 | 1.38 | 2.05 | 1.81 | 1.07 | 1.67 | 2.00 | 0.65 |
| FT Mean | 29.48 | | | 16.42 | | | 25.53 | | | 27.86 | | | 26.70 | | |
| No. of FT Children | 31 | | | 145 | | | 17 | | | 42 | | | 95 | | |
| Matched NFT Site | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

### Table C5-IIIK-11

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE RAVEN'S PROGRESSIVE MATRICES FOR COHORT III KINDERGARTEN SITES IN THE DIRECT INSTRUCTION MODEL



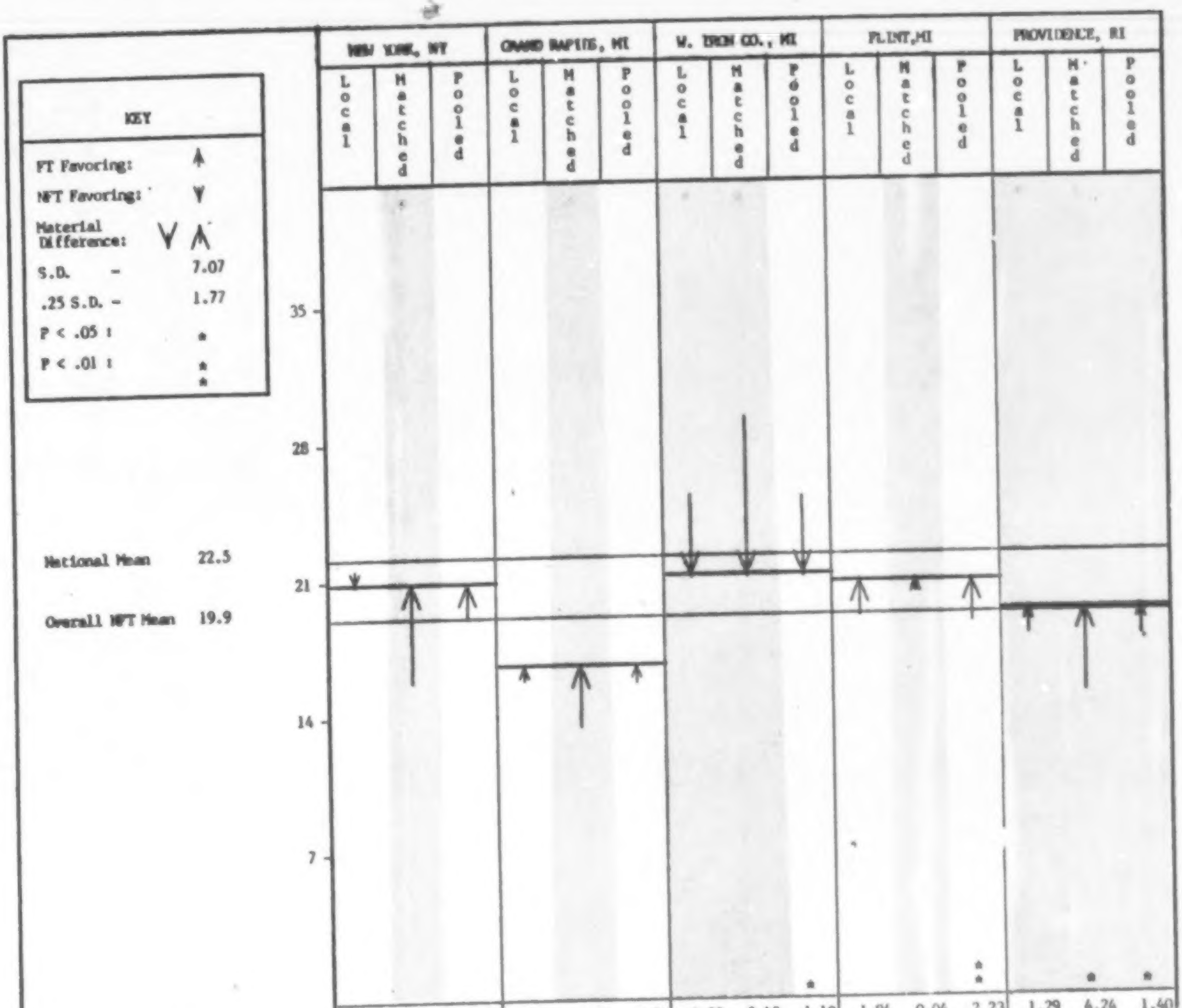
| | NEW YORK, NY | | | GRAND RAPIDS, MI | | | W. IRON CO., MI | | | FLINT, MI | | | PROVIDENCE, RI | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | −0.69 | 0.08 | −1.75 | −0.05 | −0.31 | −0.06 | −0.70 | 2.60 | −0.87 | −3.60 | −1.33 | −2.94 | 0.55 | 3.53 | 0.78 |
| Standard Error | 1.14 | 2.13 | 0.86 | 0.87 | 1.60 | 0.32 | 1.67 | 2.32 | 0.70 | 1.29 | 1.13 | 0.65 | 1.05 | 1.16 | 0.41 |
| FT Mean | 17.10 | | | 17.30 | | | 20.47 | | | 17.07 | | | 17.47 | | |
| No. of FT Children | 31 | | | 145 | | | 17 | | | 42 | | | 95 | | |
| Matched NFT Site | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

661

**COHORT III-K STUDY**
**Non-Preschool Adjusted**

Table C5-IIIK-12

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT READING
FOR COHORT III KINDERGARTEN SITES
IN THE DIRECT INSTRUCTION MODEL

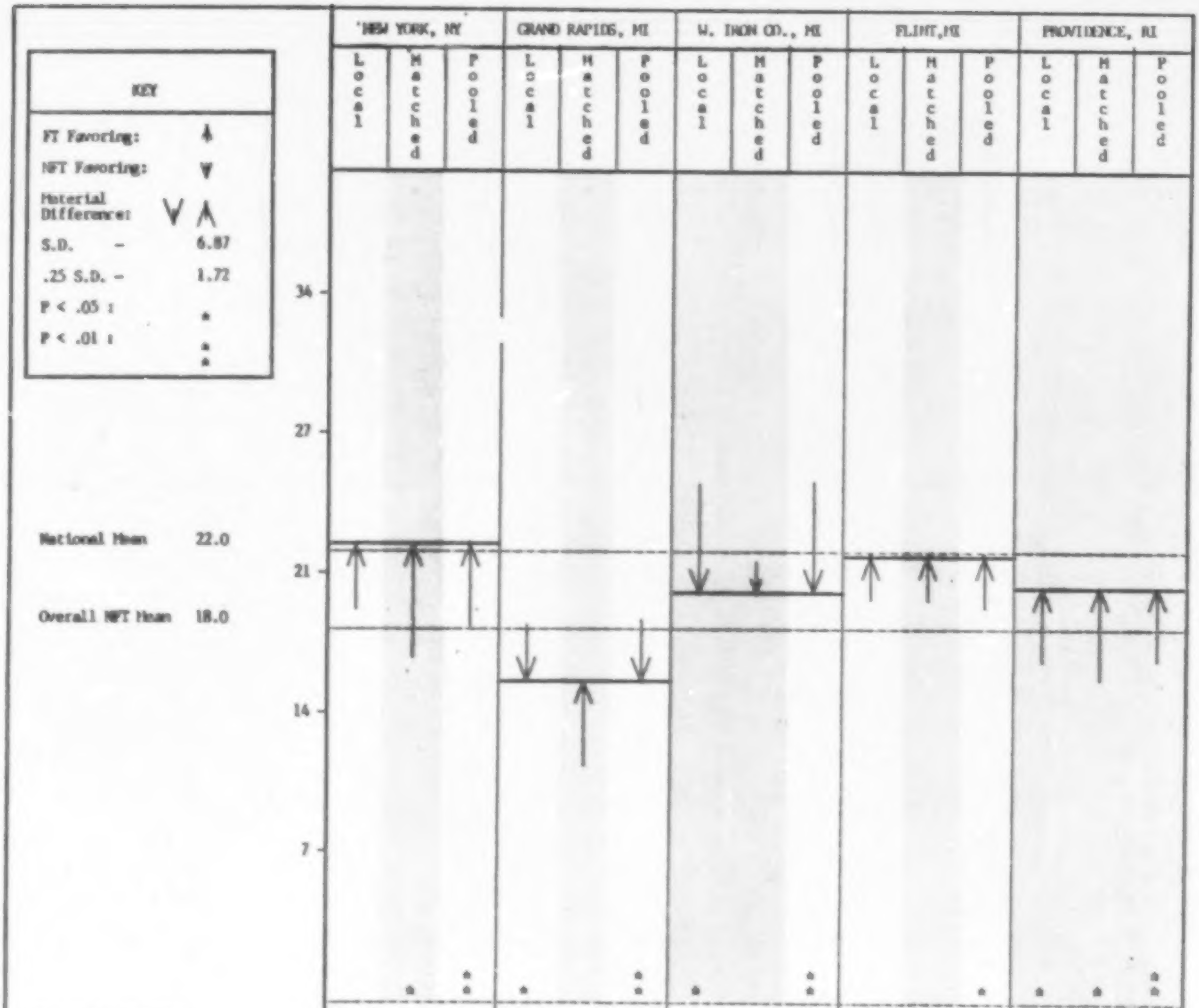


| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.75 | 5.09 | 1.80 | 0.80 | 3.10 | 0.90 | -4.22 | -8.13 | -4.10 | 1.94 | 0.04 | 2.23 | 1.29 | 4.24 | 1.40 |
| Standard Error | 1.85 | 2.65 | 1.18 | 1.41 | 2.31 | 0.48 | 2.71 | 4.59 | 1.70 | 2.10 | 1.74 | 0.65 | 1.71 | 1.93 | 0.64 |
| FT Mean | 21.29 | | | 16.94 | | | 21.47 | | | 21.19 | | | 19.53 | | |
| No. of FT Children | 31 | | | 145 | | | 17 | | | 42 | | | 95 | | |
| Matched NFT Site | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

662

Table C5-IIIK-13

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT MATHEMATICS CONCEPTS
FOR COHORT III KINDERGARTEN SITES
IN THE DIRECT INSTRUCTION MODEL



| | NEW YORK, NY | | | GRAND RAPIDS, MI | | | W. INGH CO., MI | | | FLINT, MI | | | PROVIDENCE, RI | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | * | ** | * | | ** | * | | ** | | | * | * | * | ** |
| Magnitude of Effect | 3.16 | 5.54 | 4.04 | -2.82 | 4.18 | -3.12 | -5.37 | -1.56 | -5.45 | 2.16 | 2.08 | 2.49 | 3.77 | 4.63 | 3.78 |
| Standard Error | 1.76 | 2.62 | 1.09 | 1.34 | 2.23 | 0.49 | 2.57 | 4.52 | 1.44 | 1.99 | 1.61 | 1.04 | 1.62 | 2.07 | 0.67 |
| FT Mean | 22.32 | | | 15.55 | | | 19.88 | | | 21.64 | | | 20.22 | | |
| No. of FT Children | 31 | | | 145 | | | 17 | | | 42 | | | 95 | | |
| Matched NFT Site | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

663

# Table C5-IIIK-14

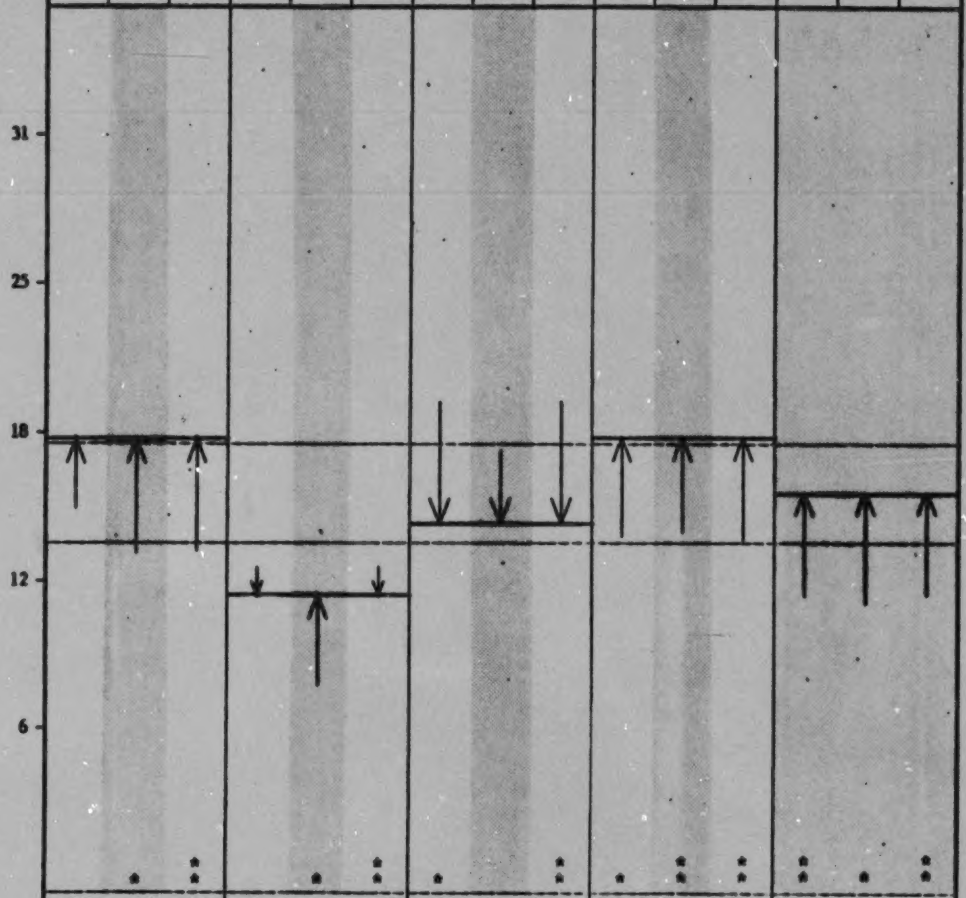
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM SOLVING FOR THE COHORT III KINDERGARTEN SITES IN THE DIRECT INSTRUCTION MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. - | 6.14 |
| .25 S.D. - | 1.53 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 18.5

Overall NFT Mean 14.2

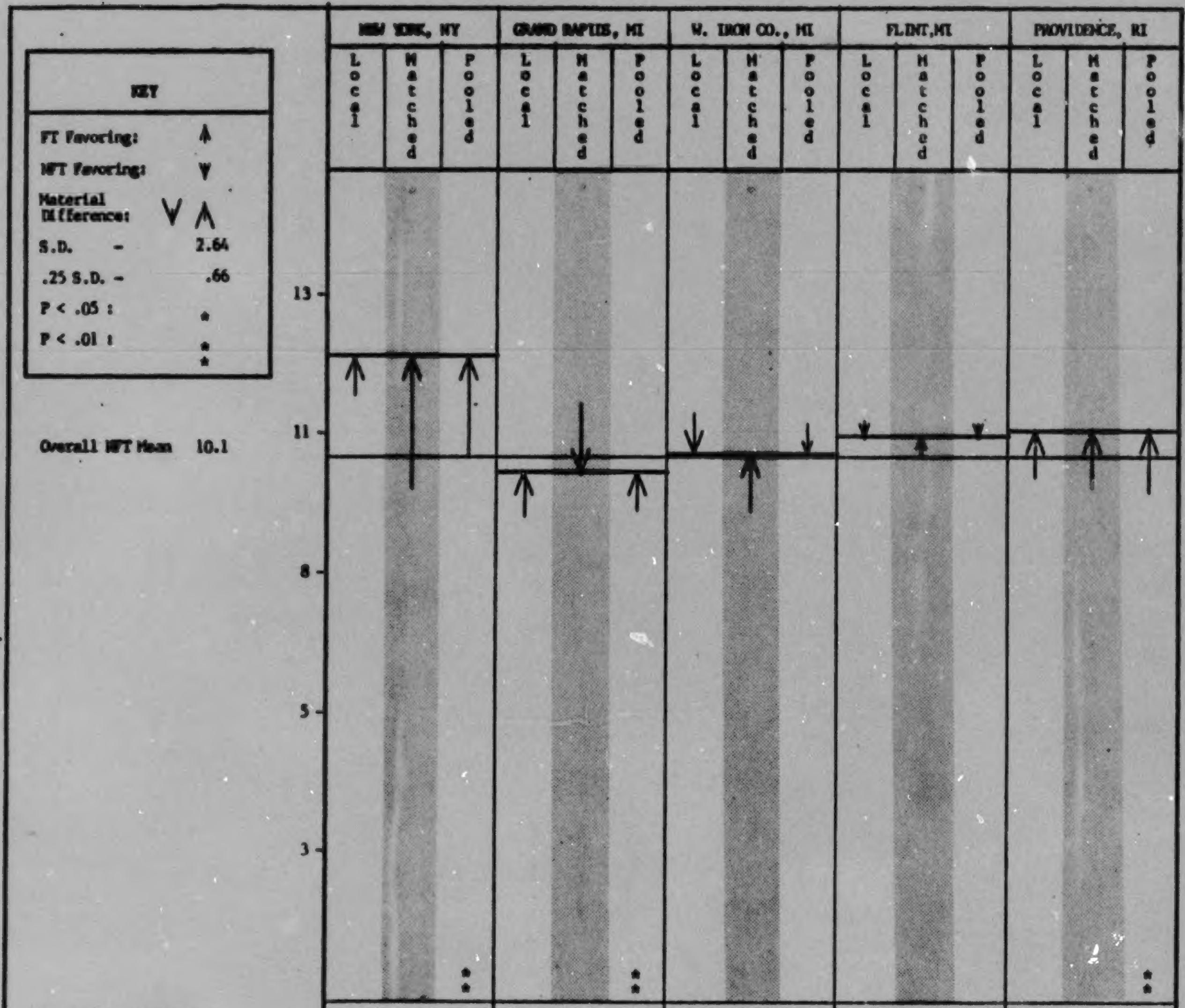


| | NEW YORK, NY | | | GRAND RAPIDS, MI | | | W. IRON CO., MI | | | FLINT, MI | | | PROVIDENCE, RI | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | * | ** | | * | ** | * | | ** | * | ** | ** | ** | * | ** |
| Magnitude of Effect | 2.86 | 4.61 | 4.59 | -1.10 | 3.75 | -1.17 | -4.90 | -2.90 | -4.91 | 4.03 | 3.97 | 4.31 | 4.27 | 4.68 | 4.27 |
| Standard Error | 1.64 | 2.26 | 0.95 | 1.25 | 1.89 | 0.39 | 2.40 | 4.66 | 1.62 | 1.86 | 1.50 | 0.98 | 1.51 | 2.05 | 0.68 |
| FT Mean | 18.45 | | | 11.99 | | | 15.00 | | | 18.43 | | | 16.18 | | |
| No. of FT Children | 31 | | | 145 | | | 17 | | | 42 | | | 95 | | |
| Matched NFT Site | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

**COHORT III-K STUDY**
**Non-Preschool Adjusted**

## Table C5-IIIK-16

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT III KINDERGARTEN SITES IN THE DIRECT INSTRUCTION MODEL



| | NEW YORK, NY | | | GRAND RAPIDS, MI | | | W. IRON CO., MI | | | FLINT, MI | | | PROVIDENCE, RI | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.77 | 2.51 | 1.88 | 0.80 | -1.32 | 0.73 | -0.76 | 1.07 | -0.57 | -0.30 | 0.34 | -0.16 | 0.87 | 1.08 | 1.18 |
| Standard Error | 0.72 | 1.42 | 0.53 | 0.55 | 1.00 | 0.20 | 1.05 | 1.36 | 0.46 | 0.81 | 0.63 | 0.35 | 0.66 | 0.89 | 0.28 |
| FT Mean | 12.10 | | | 9.87 | | | 10.24 | | | 10.57 | | | 10.68 | | |
| No. of FT Children | 31 | | | 145 | | | 17 | | | 42 | | | 95 | | |
| Matched NFT Site | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

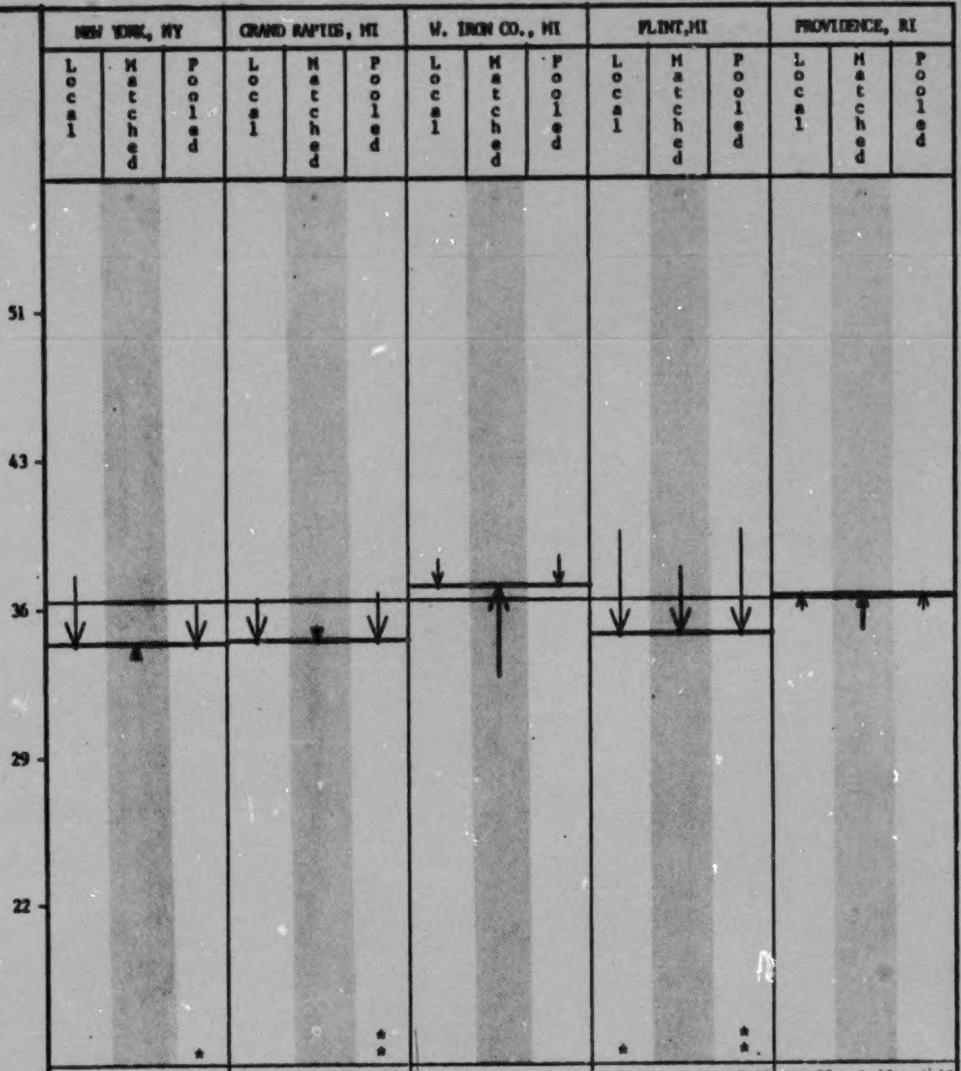
## Table C5-IIIK-15

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT III KINDERGARTEN SITES IN THE DIRECT INSTRUCTION MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. - | 7.22 |
| .25 S.D. - | 1.80 |
| P < .05 : | * |
| P < .01 : | ** |

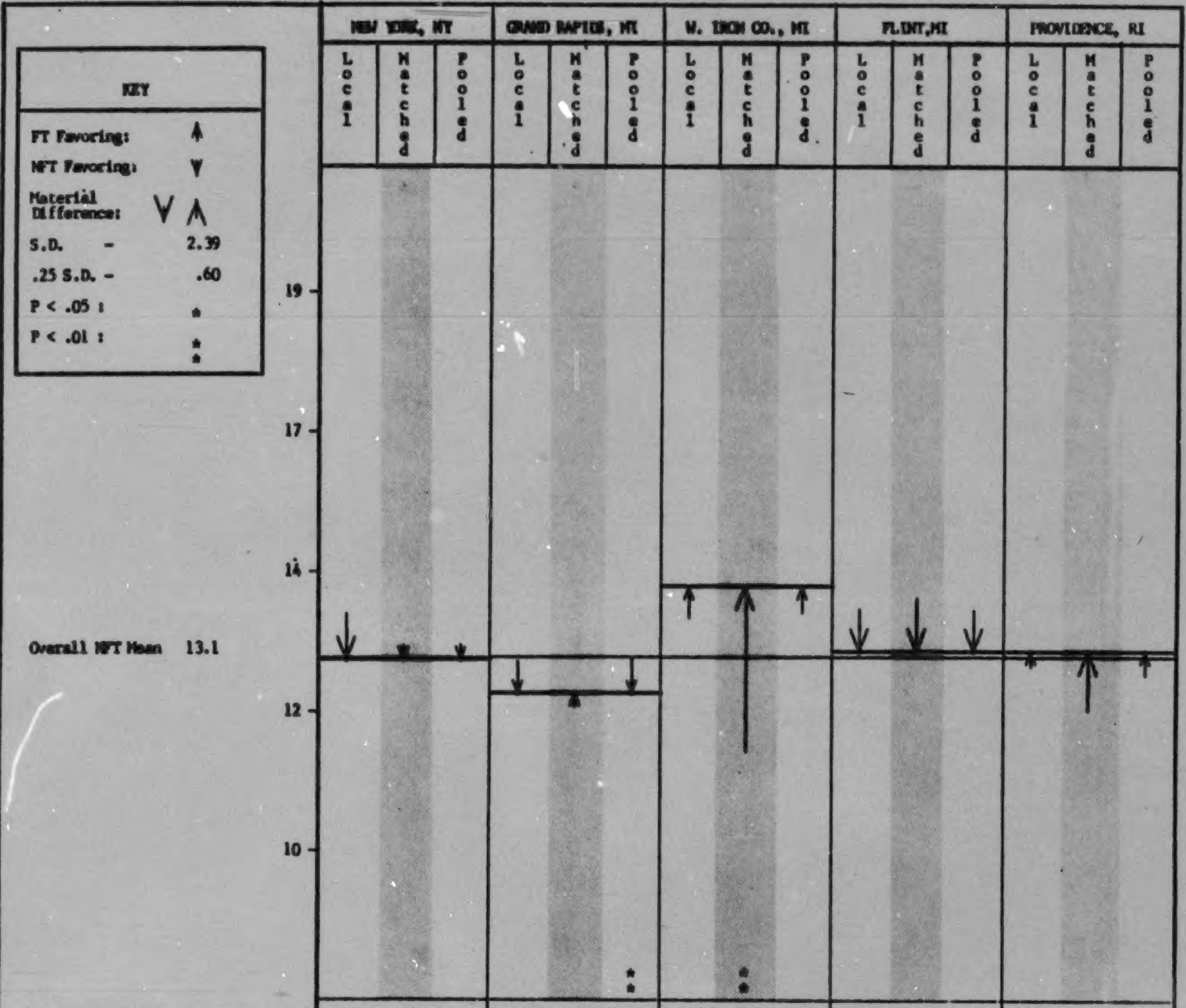
Overall NFT Mean 36.6



| | NEW YORK, NY Local | NEW YORK, NY Matched | NEW YORK, NY Pooled | GRAND RAPIDS, MI Local | GRAND RAPIDS, MI Matched | GRAND RAPIDS, MI Pooled | W. IRON CO., MI Local | W. IRON CO., MI Matched | W. IRON CO., MI Pooled | FLINT, MI Local | FLINT, MI Matched | FLINT, MI Pooled | PROVIDENCE, RI Local | PROVIDENCE, RI Matched | PROVIDENCE, RI Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -3.57 | 0.54 | -2.05 | -2.14 | -0.27 | -2.43 | -1.42 | 4.39 | -1.46 | -5.16 | -3.34 | -5.18 | 0.35 | 1.63 | 0.62 |
| Standard Error | 1.97 | 2.57 | 0.89 | 1.50 | 2.63 | 0.52 | 2.88 | 5.49 | 1.70 | 2.23 | 1.80 | 1.29 | 1.82 | 2.06 | 0.64 |
| FT Mean | 34.48 | | | 34.65 | | | 37.29 | | | 34.88 | | | 36.76 | | |
| No. of FT Children | 31 | | | 145 | | | 17 | | | 42 | | | 95 | | |
| Matched NFT Site | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

## Table C5-IIIK-17

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE FOR COHORT III KINDERGARTEN SITES IN THE DIRECT INSTRUCTION MODEL



| | NEW YORK, NY | | | GRAND RAPIDS, MI | | | W. IRON CO., MI | | | FLINT, MI | | | PROVIDENCE, RI | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.78 | -0.26 | -0.15 | -0.55 | 0.05 | -0.59 | 0.53 | 2.82 | 0.46 | -0.76 | -0.92 | -0.70 | 0.25 | 1.00 | 0.38 |
| Standard Error | 0.65 | 1.24 | 0.55 | 0.49 | 0.98 | 0.19 | 0.94 | 1.01 | 0.31 | 0.73 | 0.56 | 0.40 | 0.60 | 0.75 | 0.24 |
| FT Mean | 12.94 | | | 12.37 | | | 14.18 | | | 13.07 | | | 13.04 | | |
| No. of FT Children | 31 | | | 145 | | | 17 | | | 42 | | | 95 | | |
| Matched NFT Site | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

Table C5-IIIK-18

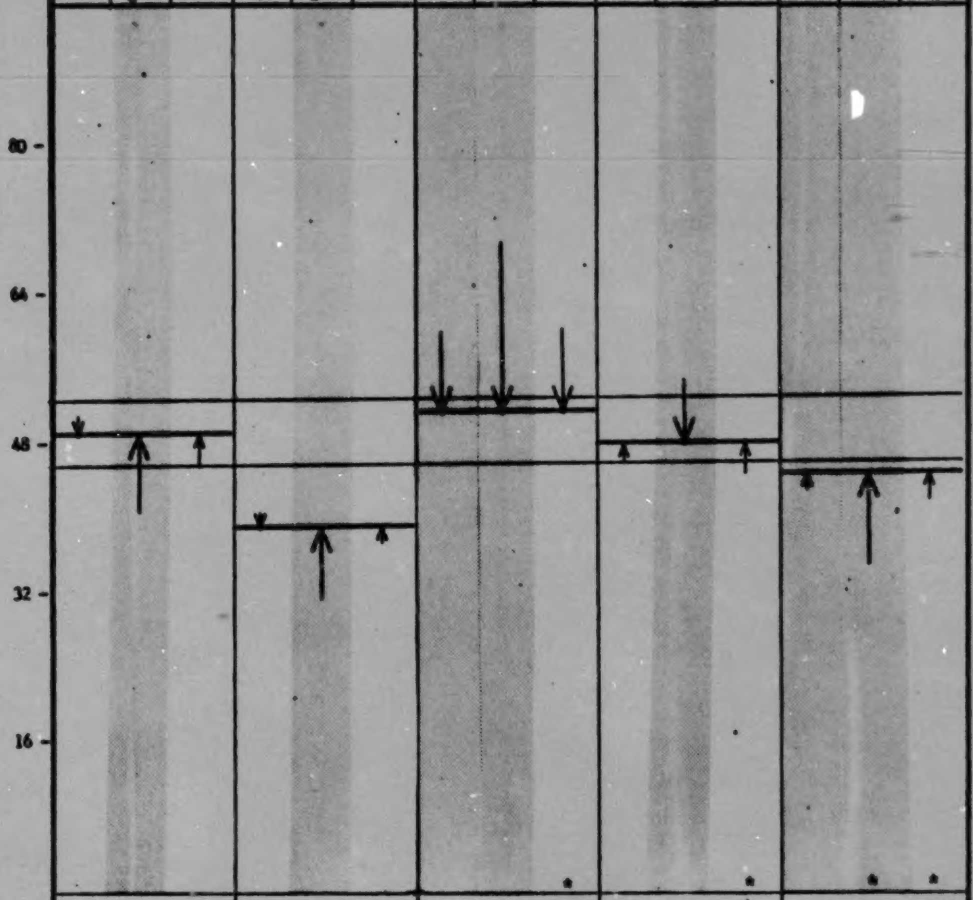
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL READING FOR COHORT III KINDERGARTEN SITES IN THE DIRECT INSTRUCTION MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋎ ⋏ |
| S.D. = | 15.96 |
| .25 S.D. = | 3.99 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 53.0

Overall NFT Mean 46.1

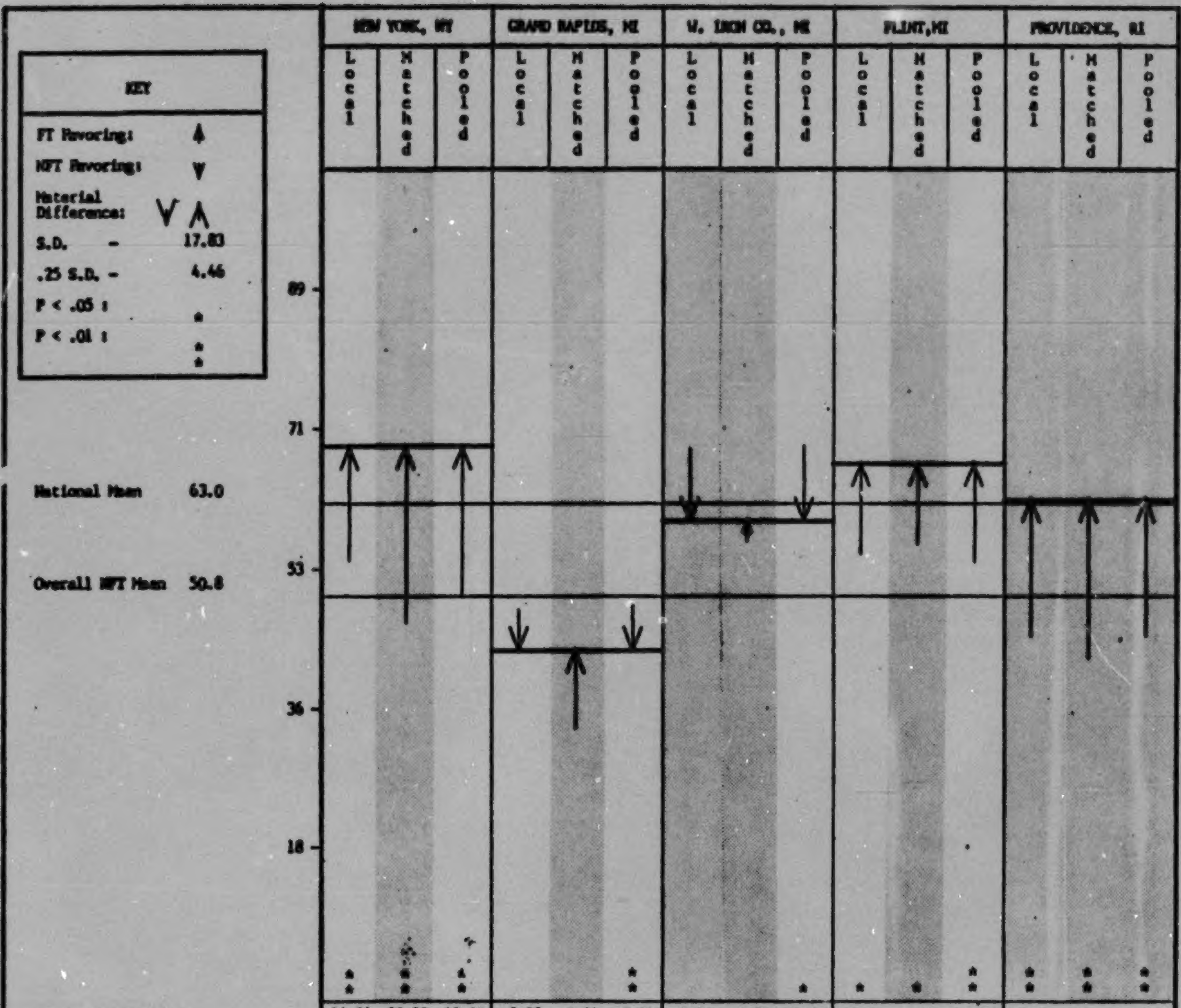


| | NEW YORK, NY | | | GRAND RAPIDS, MI | | | W. IRON CO., MI | | | FLINT, MI | | | PROVIDENCE, RI | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.83 | 8.32 | 3.70 | -0.06 | 7.80 | 0.17 | -8.75 | -18.18 | -8.86 | 1.95 | -6.87 | 3.30 | 1.90 | 9.91 | 2.96 |
| Standard Error | 3.90 | 5.59 | 2.51 | 2.98 | 5.22 | 1.06 | 5.20 | 10.64 | 3.96 | 4.41 | 4.13 | 1.39 | 3.60 | 3.96 | 1.25 |
| FT Mean | 49.36 | | | 39.15 | | | 51.18 | | | 47.79 | | | 44.55 | | |
| No. of FT Children | 31 | | | 145 | | | 17 | | | 42 | | | 95 | | |
| Matched NFT Site | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

668

## Table C5-IIIK-19

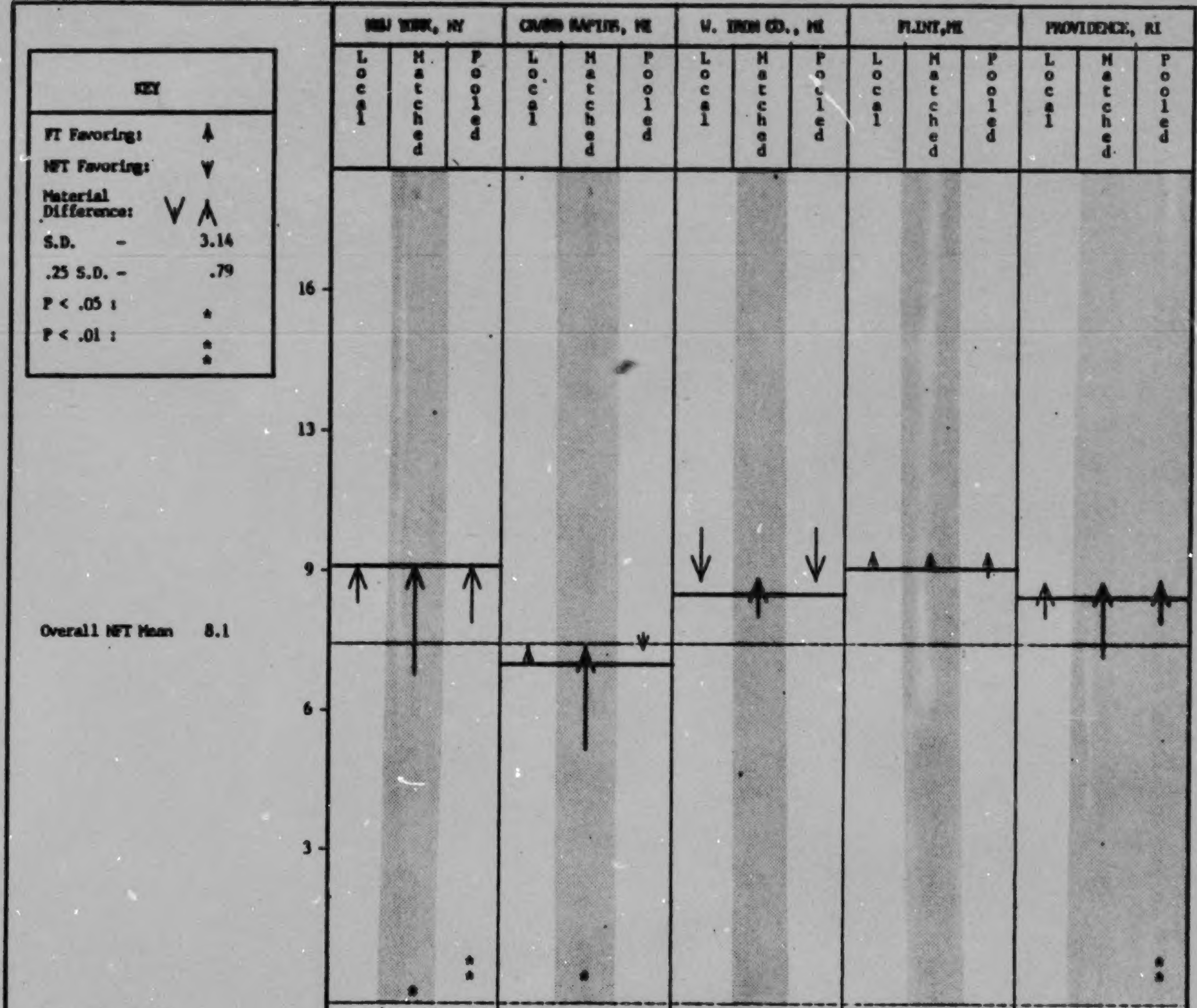
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL MATH FOR COHORT III KINDERGARTEN SITES IN THE DIRECT INSTRUCTION MODEL



| | NEW YORK, NY Local | NEW YORK, NY Matched | NEW YORK, NY Pooled | GRAND RAPIDS, MI Local | GRAND RAPIDS, MI Matched | GRAND RAPIDS, MI Pooled | W. IRON CO., MI Local | W. IRON CO., MI Matched | W. IRON CO., MI Pooled | FLINT, MI Local | FLINT, MI Matched | FLINT, MI Pooled | PROVIDENCE, RI Local | PROVIDENCE, RI Matched | PROVIDENCE, RI Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 14.64 | 22.59 | 19.40 | -5.35 | 9.64 | -5.91 | -9.30 | 2.53 | -9.60 | 11.67 | 10.39 | 12.69 | 17.30 | 19.97 | 17.24 |
| Standard Error | 4.57 | 6.78 | 2.77 | 3.49 | 5.23 | 1.14 | 6.67 | 11.83 | 3.85 | 5.17 | 4.35 | 2.81 | 4.21 | 5.40 | 1.79 |
| FT Mean | 70.26 | | | 43.97 | | | 60.41 | | | 67.93 | | | 63.10 | | |
| No. of FT Children | 31 | | | 145 | | | 17 | | | 42 | | | 95 | | |
| Matched NFT Site | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

Table C5-IIIK-20

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT LANGUAGE PART A
FOR COHORT III KINDERGARTEN SITES
IN THE DIRECT INSTRUCTION MODEL

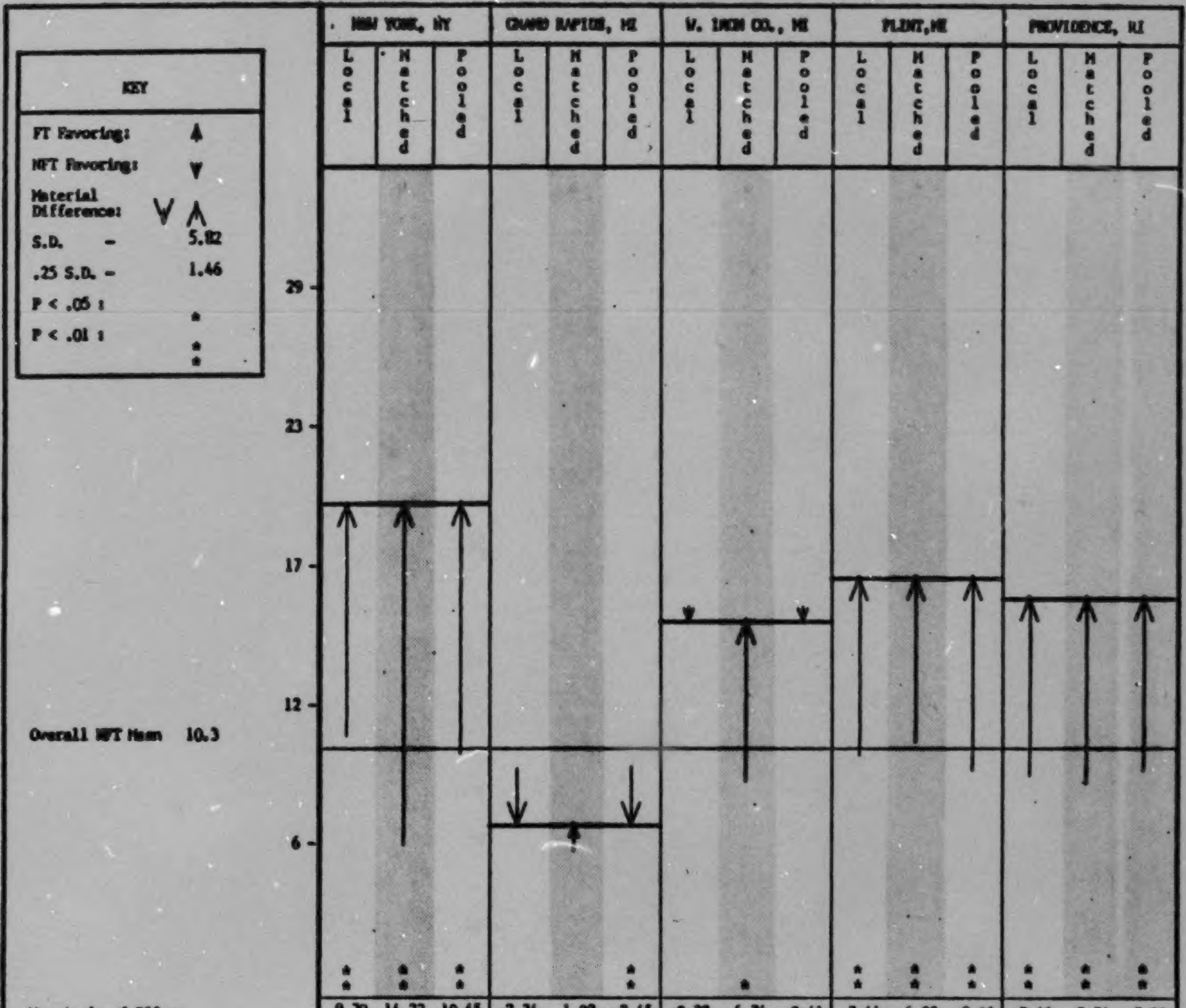


| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 0.83 | 2.46 | 1.31 | 0.05 | 2.28 | -0.02 | -1.18 | 0.88 | -1.18 | 0.25 | 0.16 | 0.54 | 0.83 | 1.66 | 0.94 |
| Standard Error | 0.81 | 1.25 | 0.47 | 0.62 | 1.10 | 0.23 | 1.18 | 1.58 | 0.70 | 0.92 | 0.82 | 0.44 | 0.75 | 0.90 | 0.27 |
| FT Mean | | 9.71 | | | 7.50 | | | 9.06 | | | 9.64 | | | 8.99 | |
| No. of FT Children | | 31 | | | 145 | | | 17 | | | 42 | | | 95 | |
| Matched NFT Site | | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | |

670

## Table C5-IIIK-21

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT III KINDERGARTEN SITES IN THE DIRECT INSTRUCTION MODEL



| | NEW YORK, NY | | | GRAND RAPIDS, MI | | | W. IRON CO., MI | | | FLINT, MI | | | PROVIDENCE, RI | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 9.70 | 14.22 | 10.45 | -2.34 | 1.08 | -2.45 | -0.32 | 6.74 | -0.41 | 7.44 | 6.88 | 8.06 | 7.46 | 7.74 | 7.22 |
| Standard Error | 1.62 | 2.72 | 1.32 | 1.23 | 1.78 | 0.36 | 2.36 | 3.14 | 0.91 | 1.83 | 2.00 | 1.10 | 1.49 | 1.78 | 0.61 |
| FT Mean | 20.42 | | | 7.01 | | | 15.53 | | | 17.29 | | | 16.42 | | |
| No. of FT Children | 31 | | | 145 | | | 17 | | | 42 | | | 95 | | |
| Matched NFT Site | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

## Table C5-IIIK-22

## STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN FOR THE DIRECT INSTRUCTION MODEL

| | | SPONSOR'S SITES | | | NEW YORK, NY | | | GRAND RAPIDS, MI | | | W. IRON CO., MI | | | FLINT, MI | | | PROVIDENCE, RI | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAT NORM POPULATION | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 61 | 58.1 | 58.9 | — | 60.6 | 58.8 | 55.2 | 53.9 | 51.7 | 51.0 | 61.0 | 69.6 | 58.2 | 58.8 | 55.8 | 63.8 | 56.4 | 58.7 | 52.3 |
| Median Percentile | 50 | 40.0 | 42.0 | 34.0 | 48.0 | 42.0 | 30.0 | 28.0 | 22.0 | 20.0 | 48.0 | 76.0 | 40.0 | 42.0 | 34.0 | 60.0 | 34.0 | 42.0 | 22.0 |
| Grade Equivalent | 3.5 | 3.2 | 3.3 | 3.0 | 3.5 | 3.3 | 2.9 | 2.8 | 2.6 | 2.5 | 3.5 | 4.5 | 3.2 | 3.3 | 3.0 | 3.8 | 3.0 | 3.3 | 2.6 |
| 1 Year or More Below Grade Level | 20 | 20.2 | 28.9 | — | 16.1 | 24.6 | 22.2 | 40.7 | 48.5 | 54.2 | 11.8 | 0.0 | 25.0 | 7.1 | 36.6 | 18.9 | 25.3 | 34.7 | 44.9 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 70.0 | 67.2 | — | 75.4 | 64.9 | 60.5 | 59.8 | 61.3 | 53.5 | 70.0 | 80.0 | 63.5 | 74.2 | 65.0 | 68.3 | 70.7 | 64.7 | 58.2 |
| Median Percentile | 50 | 48.0 | 38.0 | 20.0 | 66.0 | 32.0 | 20.0 | 18.0 | 20.0 | 8.0 | 48.0 | 77.0 | 28.0 | 62.0 | 32.0 | 40.0 | 52.0 | 32.0 | 14.0 |
| Grade Equivalent | 3.75 | 3.7 | 3.5 | 3.0 | 4.2 | 3.3 | 3.0 | 3.0 | 3.0 | 2.4 | 3.7 | 4.7 | 3.2 | 4.1 | 3.3 | 3.5 | 3.8 | 3.3 | 2.8 |
| 1 Year or More Below Grade Level | 12 | 14.1 | 25.3 | — | 6.5 | 28.0 | 38.9 | 40.7 | 34.9 | 62.5 | 0.0 | 2.3 | 33.3 | 9.5 | 24.4 | 24.3 | 13.7 | 36.7 | 42.9 |
| SPELLING | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 64 | 63.4 | 64.6 | — | 69.0 | 66.8 | 65.5 | 58.5 | 56.3 | 51.5 | 63.0 | 71.1 | 63.5 | 64.7 | 62.0 | 74.8 | 61.8 | 66.6 | 59.8 |
| Median Percentile | 50 | 48.0 | 54.0 | 48.0 | 66.0 | 60.0 | 58.0 | 32.0 | 26.0 | 18.0 | 48.0 | 72.0 | 50.0 | 54.0 | 44.0 | 82.0 | 44.0 | 60.0 | 38.0 |
| Grade Equivalent | 3.6 | 3.5 | 3.7 | 3.5 | 4.3 | 4.1 | 3.9 | 2.9 | 2.8 | 2.5 | 3.5 | 4.6 | 3.6 | 3.7 | 3.4 | 5.0 | 3.4 | 4.1 | 3.1 |
| 1 Year or More Below Grade Level | 22 | 19.3 | 27.1 | — | 16.1 | 20.3 | 16.7 | 35.2 | 43.9 | 50.0 | 5.9 | 4.7 | 16.7 | 11.9 | 31.7 | 18.9 | 27.4 | 34.7 | 36.7 |
| LANGUAGE | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70 | 68.2 | 61.8 | — | 76.1 | 59.3 | 54.5 | 55.6 | 55.4 | 50.5 | 70.0 | 75.0 | 57.5 | 68.5 | 58.7 | 62.7 | 70.7 | 60.8 | 57.0 |
| Median Percentile | 50 | 44.0 | 30.0 | 18.0 | 68.0 | 23.0 | 14.0 | 18.0 | 14.0 | 9.0 | 50.0 | 64.0 | 22.0 | 48.0 | 23.0 | 32.0 | 52.0 | 28.0 | 20.0 |
| Grade Equivalent | 4.0 | 3.7 | 3.1 | 2.6 | 4.8 | 2.9 | 2.5 | 2.6 | 2.5 | 2.2 | 4.0 | 4.7 | 2.8 | 3.9 | 2.9 | 3.2 | 4.1 | 3.1 | 2.7 |
| 1 Year or More Below Grade Level | 14 | 28.6 | 49.4 | — | 12.9 | 58.0 | 83.3 | 77.2 | 65.1 | 79.2 | 11.8 | 11.6 | 58.3 | 19.1 | 63.4 | 43.2 | 22.1 | 49.0 | 59.2 |
| BEST MATCHED SITE | | | | | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

Table C5-IIIK(PS)-22

### STANDARDIZED SCORES FOR MAT READING, MATHEMATICS LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN WITH HEADSTART FOR THE DIRECT INSTRUCTION MODEL

| | MAT NORM POPU-LATION | SPONSOR'S SITES | | NEW YORK, NY | | GRAND RAPIDS, MI | | W. IRON CO., MI | | FLINT, MI | | PROVIDENCE, RI | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| **TOTAL READING** | | | | | | | | | | | | | |
| Third Grade Median | 61 | 58.5 | 59.2 | 60.2 | 59.3 | 54.2 | 52.7 | 61.7 | 67.8 | 59.7 | 56.5 | 56.9 | 59.8 |
| Median Percentile | 50 | 42 | 43 | 46 | 42 | 28 | 24 | 54 | 70 | 46 | 34 | 36 | 46 |
| Grade Equivalent | 3.5 | 3.3 | 3.3 | 3.4 | 3.3 | 2.8 | 2.7 | 3.6 | 4.3 | 3.4 | 3.0 | 3.1 | 3.4 |
| % 1 Year or More Below Grade Level | 20 | 20 | 27 | 18 | 26 | 41 | 40 | 12 | 0 | 3 | 36 | 25 | 31 |
| **TOTAL MATHEMATICS** | | | | | | | | | | | | | |
| Third Grade Médian | 70.5 | 69.9 | 67.1 | 75.8 | 64.1 | 60.3 | 61.2 | 70.3 | 80.2 | 72.3 | 65.0 | 71.0 | 65.0 |
| Median Percentile | 50 | 48 | 38 | 68 | 28 | 18 | 20 | 48 | 77 | 56 | 32 | 52 | 32 |
| Grade Equivalent | 3.75 | 3.7 | 3.5 | 4.3 | 3.2 | 3.0 | 3.0 | 3.7 | 4.7 | 3.9 | 3.3 | 3.8 | 3.3 |
| % 1 Year or More Below Grade Level | 12 | 14 | 25 | 7 | 29 | 41 | 32 | 0 | 2 | 9 | 23 | 14 | 39 |
| **SPELLING** | | | | | | | | | | | | | |
| Third Grade Median | 64 | 63.5 | 65.0 | 68.8 | 66.4 | 58.7 | 57.8 | 62.5 | 71.0 | 65.2 | 62.5 | 62.1 | 67.2 |
| Median Percentile | 50 | 49 | 53 | 66 | 58 | 36 | 32 | 44 | 72 | 54 | 44 | 44 | 60 |
| Grade Equivalent | 3.6 | 3.6 | 3.8 | 4.3 | 3.9 | 3.0 | 3.0 | 3.4 | 4.6 | 3.7 | 3.4 | 3.4 | 4.1 |
| % 1 Year or More Below Grade Level | 22 | 19 | 24 | 18 | 24 | 36 | 34 | 6 | 5 | 6 | 31 | 27 | 28 |
| **LANGUAGE** | | | | | | | | | | | | | |
| Third Grade Median | 70 | 69.2 | 62.2 | 76.2 | 59.7 | 55.6 | 55.8 | 70.0 | 73.5 | 73.0 | 59.0 | 71.0 | 63.2 |
| Median Percentile | 50 | 49 | 32 | 68 | 26 | 18 | 18 | 50 | 62 | 58 | 23 | 52 | 32 |
| Grade Equivalent | 4.0 | 4.0 | 3.3 | 4.8 | 3.0 | 2.6 | 2.6 | 4.0 | 4.6 | 4.5 | 2.9 | 4.1 | 3.2 |
| % 1 Year or More Below Grade Level | 14 | 28 | 47 | 11 | 57 | 77 | 60 | 12 | 12 | 17 | 62 | 22 | 42 |

## Table C5-IIIK-23

## MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES USED IN THE ANALYTIC SAMPLE OF THE COHORT III KINDERGARTEN CHILDREN FOR THE DIRECT INSTRUCTION MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | GRAND RAPIDS, MI | | | W. IRON CO., MI | | | FLINT, MI | | | PROVIDENCE, RI | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | | | | | | | | | | | | | |
| Mean | 31.8 | 31.4 | — | 34.8 | 31.1 | 30.3 | 27.3 | 25.1 | 26.3 | 34.5 | 41.6 | 36.8 | 33.1 | 26.9 | 30.0 | 29.1 | 32.2 | 30.7 |
| Standard Deviation | — | — | — | 10.4 | 12.4 | 13.1 | 8.8 | 9.7 | 11.0 | 10.0 | 11.9 | 11.9 | 11.9 | 11.1 | 13.6 | 11.0 | 13.6 | 9.9 |
| HIGHEST OCCUPATION IN HOUSE | | | | | | | | | | | | | | | | | | |
| Mean | 13.6 | 14.5 | — | 13.9 | 14.0 | 14.1 | 13.2 | 13.6 | 13.4 | 14.1 | 16.0 | 14.5 | 13.6 | 13.3 | 14.4 | 13.4 | 15.6 | 13.4 |
| Standard Deviation | — | — | — | 1.6 | 2.0 | 2.6 | 1.4 | 2.2 | 1.2 | 1.8 | 1.9 | 1.6 | 1.8 | 1.5 | 1.9 | 1.7 | 2.6 | 1.8 |
| FAMILY INCOME IN DOLLARS | | | | | | | | | | | | | | | | | | |
| Mean | 4209 | 6332 | — | 4525 | 6090 | 5280 | 4081 | 5689 | 5000 | 4747 | 7140 | 5554 | 4284 | 6997 | 5241 | 3410 | 5746 | 3590 |
| Standard Deviation | — | — | — | 2444 | 2255 | 2613 | 2151 | 2957 | 2741 | 2558 | 2442 | 3017 | 2457 | 2442 | 2618 | 1639 | 3113 | 2393 |
| MISSING INCOME INFORMATION | | | | | | | | | | | | | | | | | | |
| No. Missing | — | — | — | 11 | 168 | 8 | 97 | 29 | 0 | 0 | 3 | 1 | 5 | 7 | 10 | 55 | 19 | 18 |
| Valid Cases | — | — | — | 20 | 39 | 10 | 48 | 37 | 24 | 17 | 40 | 11 | 37 | 34 | 27 | 40 | 30 | 31 |
| ETHNIC MEMBERSHIP/RACE | | | | | | | | | | | | | | | | | | |
| Percent White | 26 | 36 | — | 0 | 2 | 0 | 9 | 3 | 4 | 100 | 100 | 33 | 0 | 20 | 0 | 23 | 55 | 0 |
| Percet Black | 71 | 59 | — | 94 | 81 | 83 | 88 | 94 | 88 | 0 | 0 | 0 | 100 | 78 | 97 | 76 | 43 | 100 |
| EX Percent Female | 52 | 47 | — | 61 | 48 | 56 | 48 | 52 | 54 | 35 | 40 | 67 | 60 | 51 | 51 | 54 | 45 | 55 |
| NTRY AGE IN MONTHS | | | | | | | | | | | | | | | | | | |
| Mean | 64.1 | 64.4 | — | 63.3 | 63.4 | 64.7 | 64.2 | 65.8 | 64.4 | 67.1 | 65.4 | 66.6 | 63.6 | 64.3 | 62.7 | 62.6 | 63.3 | 67.0 |
| Standard Deviation | — | — | — | 3.7 | 3.5 | 4.1 | 3.8 | 4.4 | 4.9 | 3.9 | 4.4 | 7.0 | 5.4 | 3.5 | 4.2 | 3.5 | 3.7 | 3.9 |
| IRST LANGUAGE | | | | | | | | | | | | | | | | | | |
| Percent English | 98 | 96 | — | 94 | 85 | 88 | 100 | 98 | 96 | 100 | 100 | 50 | 100 | 98 | 97 | 98 | 100 | 100 |
| EST MATCHED SITE | | | | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

## Table C5-IIIK-24

## MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES FOR THE COHORT III KINDERGARTEN CHILDREN IN THE DIRECT INSTRUCTION MODEL

| | | ALL SITES | | SPONSOR'S SITES | | | NEW YORK, NY | | | GRAND RAPIDS, MI | | | W. IRON CO., MI | | | FLINT, MI | | | PROVIDENCE, RI | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | Mean | 41.25 | 46.14 | 46.40 | 48.58 | — | 49.35 | 47.54 | 40.67 | 39.14 | 37.88 | 32.58 | 51.18 | 67.23 | 54.00 | 47.79 | 42.76 | 54.92 | 44.55 | 47.51 | 34.71 |
| | Standard Deviation | | | — | — | — | 14.51 | 17.01 | 14.11 | 15.02 | 17.81 | 14.32 | 16.88 | 12.68 | 21.96 | 11.74 | 15.37 | 19.69 | 15.22 | 22.01 | 13.96 |
| TOTAL MATHEMATICS | Mean | 47.77 | 50.84 | 61.13 | 55.99 | — | 70.26 | 51.13 | 47.28 | 43.97 | 47.98 | 35.63 | 60.41 | 77.05 | 54.58 | 67.93 | 52.73 | 55.32 | 63.09 | 51.06 | 43.45 |
| | Standard Deviation | | | — | — | — | 16.27 | 19.80 | 18.41 | 16.40 | 18.51 | 12.21 | 13.81 | 17.23 | 21.04 | 21.04 | 16.52 | 18.59 | 20.68 | 22.98 | 16.05 |
| LANGUAGE | Mean | 16.60 | 18.44 | 24.31 | 19.99 | — | 30.13 | 16.93 | 13.39 | 14.50 | 16.53 | 12.33 | 24.59 | 29.49 | 18.17 | 26.93 | 17.54 | 19.81 | 25.41 | 19.45 | 16.24 |
| | Standard Deviation | | | — | — | — | 9.45 | 7.68 | 6.51 | 6.39 | 9.36 | 6.30 | 6.24 | 10.24 | 7.81 | 9.93 | 7.18 | 9.19 | 8.65 | 10.32 | 7.84 |
| SPELLING | Mean | 17.64 | 20.63 | 21.86 | 22.47 | — | 26.61 | 24.46 | 21.67 | 18.09 | 16.59 | 12.92 | 21.94 | 29.95 | 23.58 | 23.36 | 20.95 | 27.81 | 19.31 | 20.41 | 16.10 |
| | Standard Deviation | | | — | — | — | 10.68 | 12.06 | 11.18 | 12.02 | 12.33 | 12.53 | 9.36 | 7.76 | 12.86 | 10.12 | 12.34 | 13.44 | 11.39 | 14.14 | 11.97 |
| RAVEN'S PROGRESSIVE MAT. | Mean | 18.15 | 18.95 | 17.88 | 18.90 | — | 17.10 | 17.53 | 16.89 | 17.30 | 16.83 | 16.88 | 20.47 | 22.42 | 20.25 | 17.07 | 19.76 | 17.95 | 17.47 | 17.98 | 15.41 |
| | Standard Deviation | | | — | — | — | 5.09 | 4.88 | 4.31 | 4.38 | 4.83 | 5.23 | 2.94 | 4.05 | 4.05 | 4.38 | 4.86 | 4.42 | 4.62 | 4.50 | 4.06 |
| COOPERSMITH'S SELF-EST. | Mean | 35.64 | 36.59 | 35.61 | 38.16 | — | 34.48 | 37.24 | 33.94 | 34.65 | 36.79 | 34.58 | 37.29 | 39.95 | 33.42 | 34.88 | 39.61 | 38.27 | 36.76 | 37.18 | 36.37 |
| | Standard Deviation | | | — | — | — | 5.10 | 7.11 | 7.89 | 6.32 | 7.50 | 7.44 | 6.83 | 6.74 | 7.53 | 8.27 | 5.90 | 5.33 | 6.56 | 9.16 | 6.28 |
| IARS-LOCUS NEGATIVE | Mean | 9.91 | 10.11 | 10.69 | 10.32 | — | 12.10 | 11.20 | 9.00 | 9.87 | 9.08 | 11.00 | 10.24 | 11.09 | 10.08 | 10.57 | 10.59 | 10.27 | 10.68 | 9.65 | 9.73 |
| | Standard Deviation | | | — | — | — | 2.86 | 2.45 | 3.46 | 2.35 | 2.88 | 2.60 | 1.89 | 2.47 | 1.98 | 2.50 | 2.11 | 2.31 | [illegible].71 | 2.46 | 2.74 |
| IARS-LOCUS POSITIVE | Mean | 12.83 | 13.07. | 13.12 | 13.37 | — | 12.94 | 13.57 | 13.11 | 12.37 | 12.77 | 11.96 | 14.18 | 14.02 | 12.08 | 13.07 | 13.54 | 13.92 | 13.04 | 12.96 | 12.14 |
| | Standard Deviation | | | — | — | — | 3.12 | 2.12 | 1.57 | 2.36 | 2.18 | 2.65 | 1.24 | 1.93 | 1.98 | 2.71 | 2.63 | 1.57 | 2.37 | 2.57 | 2.37 |
| WORD KNOWLEDGE | Mean | 23.30 | 26.29 | 26.32 | 27.86 | — | 28.06 | 26.98 | 24.72 | 22.21 | 22.27 | 18.08 | 29.71 | 38.51 | 30.17 | 26.60 | 24.54 | 33.89 | 25.02 | 27.02 | 19.65 |
| | Standard Deviation | | | — | — | — | 8.37 | 10.20 | 9.50 | 9.29 | 10.63 | 10.30 | 10.05 | 5.80 | 13.36 | 7.52 | 10.63 | 12.69 | 8.80 | 13.27 | 8.69 |
| READING | Mean | 17.95 | 19.85 | 20.08 | 20.72 | — | 21.29 | 20.57 | 15.94 | 16.94 | 15.61 | 14.50 | 21.47 | 28.72 | 23.83 | 21.19 | 18.22 | 21.03 | 19.53 | 20.49 | 15.06 |
| | Standard Deviation | | | — | — | — | 7.08 | 7.62 | 6.38 | 6.64 | 8.11 | 5.10 | 7.32 | 7.82 | 8.91 | 5.19 | 6.45 | 8.22 | 7.33 | 9.53 | 6.18 |
| MATH COMPUTATIONS | Mean | 18.16 | 18.55 | 25.20 | 20.72 | — | 29.48 | 19.35 | 17.06 | 16.42 | 17.36 | 14.25 | 25.53 | 26.81 | 18.33 | 27.86 | 21.17 | 22.57 | 26.69 | 18.88 | 16.18 |
| | Standard Deviation | | | — | — | — | 6.46 | 7.85 | 7.03 | 6.12 | 6.65 | 4.07 | 5.11 | 5.80 | 6.85 | 7.60 | 6.85 | 3.09 | 7.45 | 8.48 | 6.77 |
| MATH CONCEPTS | Mean | 16.41 | 18.04 | 19.92 | 19.97 | — | 22.32 | 17.52 | 16.56 | 15.55 | 17.86 | 12.17 | 19.88 | 27.98 | 19.00 | 21.64 | 18.07 | 19.05 | 20.22 | 18.41 | 15.55 |
| | Standard Deviation | | | — | — | — | 6.53 | 7.21 | 6.72 | 6.95 | 7.61 | 5.10 | 5.11 | 5.78 | 8.99 | 7.77 | 6.06 | 6.52 | 7.46 | 9.13 | 6.16 |
| MATH PROBLEM SOLVING | Mean | 13.20 | 14.25 | 16.01 | 15.31 | — | 18.45 | 14.25 | 13.67 | 11.99 | 12.76 | 9.21 | 15.00 | 22.26 | 17.25 | 18.43 | 13.49 | 13.70 | 16.18 | 13.78 | 11.71 |
| | Standard Deviation | | | — | — | — | 4.93 | 6.70 | 5.71 | 5.32 | 6.01 | 4.81 | 6.26 | 7.38 | 6.57 | 7.17 | 5.81 | 5.92 | 7.52 | 7.40 | 5.49 |
| LANGUAGE PART A | Mean | 7.59 | 8.13 | 8.98 | 8.80 | — | 9.71 | 8.16 | 7.06 | 7.50 | 7.26 | 5.71 | 9.06 | 11.14 | 7.33 | 9.64 | 8.71 | 9.43 | 8.99 | 8.71 | 7.22 |
| | Standard Deviation | | | — | — | — | 2.75 | 3.24 | 3.44 | 3.15 | 3.58 | 3.36 | 3.07 | 2.64 | 3.34 | 3.02 | 2.83 | 3.22 | 2.87 | 3.39 | 3.41 |
| LANGUAGE PART B | Mean | 9.01 | 10.31 | 15.33 | 11.19 | — | 20.42 | 8.77 | 6.33 | 7.01 | 9.27 | 6.63 | 15.53 | 18.35 | 10.83 | 17.29 | 8.83 | 10.38 | 16.42 | 10.73 | 9.02 |
| | Standard Deviation | | | — | — | — | 7.75 | 5.85 | 4.12 | 4.72 | 6.79 | 4.16 | 3.94 | 8.74 | 7.25 | 7.97 | 5.52 | 7.32 | 6.56 | 8.11 | 5.78 |
| BEST MATCH SITE | | | | | | | Ravenswood, CA | | | Paterson, NJ | | | San Jose, CA | | | Newark, NJ | | | St. Louis, MO | | |

Table C5-IIIK-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K LOCAL ANALYSES FOR THE DIRECT INSTRUCTION MODEL

CODE

FKW = Fall Kindergarten WRAT
NOFKW = Missing WRAT
SEX = Sex
LANG = First Language
NOINC = Missing Income
INCOME = Income
ENTAGE = Entry Age
OCCUP = Occupation
ETH1 = White vs. Black
ETH2 = White vs. Other
NOOCCUP = Missing Occupation

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .76130335 | .67198086E-01 |
| NOFKW | 8,0807028 | 9,8988979 |
| SEX | -,96486961 | 1,4662131 |
| LANG | 3,4866648 | 5,2074708 |
| NOINC | -,89248233 | 3,2153890 |
| INCOME | .34332525E-03 | .27774104E-03 |
| ENTAGE | -,37233877 | .19300956 |
| OCCUP | .41436219 | .36620968 |
| ETH1 | 2,4999636 | 1,8167816 |
| ETH2 | -1,8046469 | 3,0978932 |
| NOOCCUP | -2,9997369 | 3,1793411 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .87597950 | .78705681E-01 |
| NOFKW | 9,7329424 | 11.594073 |
| SEX | -,40289648 | 1,7173004 |
| LANG | 11.837283 | 6,0992442 |
| NOINC | 1,5179178 | 3,7660207 |
| INCOME | .26749098E-03 | .32530387E-03 |
| ENTAGE | -.23602868 | .22606222 |
| OCCUP | .11209293 | .42892267 |
| ETH1 | 4,6585934 | 2.1279033 |
| ETH2 | -5,7853304 | 3,6284039 |
| NOOCCUP | -5,9714611 | 3,7237996 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .49972755 | .50945523E-01 |
| NOFKW | 4,7285920 | 7,5047454 |
| SEX | 1,7874822 | 1,1115941 |
| LANG | 2,3148547 | 3,9479893 |
| NOINC | -,24597537 | 2,4377134 |
| INCOME | .23407565E-03 | .21056645E-03 |
| ENTAGE | -,32453347 | .14632817 |
| OCCUP | .77070450E-01 | .27763802 |
| ETH1 | .68826517 | 1,3773739 |
| ETH2 | -1,6182544 | 2,3486352 |
| NOOCCUP | -2,1834235 | 2,4103841 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .36351153 | .34860046E-01 |
| NOFKW | -.66850606 | 5.1352064 |
| SEX | .39768413 | .76062073 |
| LANG | 2,5143729 | 2,7014560 |
| NOINC | .37859779 | 1,6680328 |
| INCOME | .72678937E-04 | .14408246E-03 |
| ENTAGE | -.15785872 | .10012669 |
| OCCUP | .22673295 | .18997694 |
| ETH1 | 1,0970411 | .94248354 |
| ETH2 | -.95155010 | 1,6070800 |
| NOOCCUP | -3,3992779 | 1,6493324 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .19070411 | .19645811E-01 |
| NOFKW | -2,5861649 | 2,8940091 |
| SEX | -1,6679053 | .42865723 |
| LANG | -.77384116 | 1,5224390 |
| NOINC | -,90306661 | .94004052 |
| INCOME | -,39901478E-04 | .81199454E-04 |
| ENTAGE | -.23528424E-01 | .50427637E-01 |
| OCCUP | .62354506E-01 | .10706385 |
| ETH1 | 1,2303909 | .53114827 |
| ETH2 | -1,8202082 | .90568984 |
| NOOCCUP | .48207432 | .92950167 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .12473045 | .33951917E-01 |
| NOFKW | -5,0213799 | 5,0014306 |
| SEX | -,15338432 | .74080601 |
| LANG | 1,0071354 | 2,6310811 |
| NOINC | .91237048 | 1,6245793 |
| INCOME | .69329044E-04 | .14032901E-03 |
| ENTAGE | .14780384E-01 | .97518321E-01 |
| OCCUP | .10447610 | .18502790 |
| ETH1 | .27550100 | .91793117 |
| ETH2 | -,48479330 | 1,5652144 |
| NOOCCUP | -1,6282613 | 1,6063661 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .45400711E-01 | .11145278E-01 |
| NOFKW | -1,2510851 | 1,6418023 |
| SEX | .45997820 | .24318182 |
| LANG | .54620239 | .86369588 |
| NOINC | .50640847 | .53329502 |
| INCOME | -.34725243E-04 | .46065317E-04 |
| ENTAGE | -,53280367E-02 | .32012001E-01 |
| OCCUP | .40922205E-01 | .60738468E-01 |
| ETH1 | .45461897 | .30132608 |
| ETH2 | -,70668661 | .51380752 |
| NOOCCUP | -,40923838 | .52731622 |

Table C5-IIIK-25 (cont.)

IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .24018579E-01 | .12346691E-01 |
| NOFKW | -.98344990 | 1.8187814 |
| SEX | -.16830972 | .26939576 |
| LANG | .14097356 | .95679854 |
| NOINC | -.17857802 | .59078190 |
| INCOME | -.26789951E-05 | .51030958E-04 |
| ENTAGE | .82422931E-02 | .35462755E-01 |
| OCCUP | -.13445448E-01 | .67285810E-01 |
| ETH1 | -.21814641 | .33380772 |
| ETH2 | -.35825356 | .56919373 |
| NOOCCUP | .99327627E-01 | .58415861 |

MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .45905651 | .40636945E-01 |
| NOFKW | 6.5650271 | 5.9861968 |
| SEX | -.97418920 | .88666843 |
| LANG | .54873322 | 3.1491329 |
| NOINC | -1.2073457 | 1.9444540 |
| INCOME | .20431381E-03 | .16795936E-03 |
| ENTAGE | -.23538205 | .11671938 |
| OCCUP | .20918815 | .22145932 |
| ETH1 | .65046976 | 1.0986690 |
| ETH2 | -.16181993 | 1.0734003 |
| NOOCCUP | -1.1188344 | 1.9226546 |

MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .30224684 | .31930802E-01 |
| NOFKW | 1.5156757 | 4.7037017 |
| SEX | .93195880E-02 | .69670676 |
| LANG | 2.9379315 | 2.4744562 |
| NOINC | .31486340 | 1.5278702 |
| INCOME | .13901144E-03 | .13197540E-03 |
| ENTAGE | -.13695671 | .91713177E-01 |
| OCCUP | .20517404 | .17401342 |
| ETH1 | 1.8494939 | .86328788 |
| ETH2 | -1.6428270 | 1.4720392 |
| NOOCCUP | -1.8809025 | 1.5107411 |

MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .32899915 | .30264238E-01 |
| NOFKW | 2.6635882 | 4.4582015 |
| SEX | -.72133601 | .66034356 |
| LANG | 4.4463762 | 2.3453069 |
| NOINC | .23978868 | 1.4481261 |
| INCOME | .94377269E-04 | .12508721E-03 |
| ENTAGE | -.56012652E-01 | .86926393E-01 |
| OCCUP | .86772843E-01 | .16493114 |
| ETH1 | 1.3453569 | .81823032 |
| ETH2 | -1.7089257 | 1.3952091 |
| NOOCCUP | -1.7480380 | 1.4318910 |

MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .28518807 | .31160451E-01 |
| NOFKW | 2.4316095 | 4.5902219 |
| SEX | .63032258 | .67989827 |
| LANG | 4.4483500 | 2.4147584 |
| NOINC | 1.0934701 | 1.4910093 |
| INCOME | .62237269E-04 | .12879141E-03 |
| ENTAGE | -.11263899 | .89500539E-01 |
| OCCUP | -.74632454E-01 | .16981524 |
| ETH1 | 1.8867086 | .84246052 |
| ETH2 | -2.6922257 | 1.4365253 |
| NOOCCUP | -2.4714672 | 1.4742935 |

MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .26179228 | .28289640E-01 |
| NOFKW | 4.6377447 | 4.1673249 |
| SEX | -.31188305 | .61725927 |
| LANG | 2.9425564 | 2.1922868 |
| NOINC | .18465908 | 1.3536427 |
| INCOME | .11087644E-03 | .11692586E-03 |
| ENTAGE | -.67377040E-01 | .81254858E-01 |
| OCCUP | .99952540E-01 | .15417017 |
| ETH1 | 1.4265278 | .76484466 |
| ETH2 | -1.3841790 | 1.3041783 |
| NOOCCUP | -1.7519559 | 1.3384669 |

MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .11980176 | .13970998E-01 |
| NOFKW | .16485873 | 2.0580569 |
| SEX | .25521446 | .30483697 |
| LANG | 1.1614462 | 1.0826732 |
| NOINC | -.21465148 | .66850407 |
| INCOME | .36283316E-05 | .57744495E-04 |
| ENTAGE | -.25956275E-01 | .40128189E-01 |
| OCCUP | .15083184E-01 | .76137806E-01 |
| ETH1 | .25433598 | .37772284 |
| ETH2 | -.27908670 | .64407579 |
| NOOCCUP | -.33236656 | .66100943 |

MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .24370976 | .27870231E-01 |
| NOFKW | -.83336479 | 4.1055420 |
| SEX | .14246967 | .60810806 |
| LANG | 1.3529267 | 2.1597849 |
| NOINC | .59324927 | 1.3335742 |
| INCOME | .69050606E-04 | .11519237E-03 |
| ENTAGE | -.13190245 | .80050210E-01 |
| OCCUP | .21164977 | .15188451 |
| ETH1 | .84270515 | .75350542 |
| ETH2 | -.67246340 | 1.2848431 |
| NOOCCUP | -3.0669114 | 1.3186234 |

**COHORT III-K**
**Preschool Adjusted Study**

Table C5-IIIK(PS)-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K PRESCHOOL ADJUSTED LOCAL ANALYSES FOR THE DIRECT INSTRUCTION MODEL

**CODE**

SEX = Sex
ENTAGE = Entry Age
OCCUP = Occupation
NOINC = Missing Income
INCOME = Income
NOOCCUP = Missing Occupation
ETH2 = White vs. Other
ETH1 = White vs. Black
LANG = First Language
PSSOME = Some Preschool
PSHS = Head Start
FKW = Fall Kindergarten WRAT
FKWHS = FKW x Head Start
FKWSOME = FKW x Some Preschool

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.0827736 | 1.4711996 |
| ENTAGE | -.26714051 | .19439921 |
| OCCUP | .41976092 | .37201750 |
| NOINC | -.62911712 | 3.0163494 |
| INCOME | .35092650E-03 | .27853016E-03 |
| NOOCCUP | -3.0173213 | 2.9847614 |
| ETH2 | -3.4796511 | 3.5540894 |
| ETH1 | 3.0168447 | 2.0150330 |
| LANG | 3.4003581 | 5.9518266 |
| PSSOME | .76217983E-01 | 5.1283053 |
| PSHS | -6.9862950 | 5.0763140 |
| FKW | .79091554 | .11617562 |
| FKWHS | .67774774E-01 | .16116520 |
| FKWSOME | -.65476473E-01 | .15544311 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.92881037 | 1.7141474 |
| ENTAGE | -.16350557 | .22650148 |
| OCCUP | .71888979E-01 | .43345091 |
| NOINC | 1.1268893 | 3.5144567 |
| INCOME | .35767907E-03 | .32452547E-03 |
| NOOCCUP | -6.6635061 | 3.4776595 |
| ETH2 | -6.6534276 | 4.1409969 |
| ETH1 | 4.8901714 | 2.3477071 |
| LANG | 12.007927 | 6.9346864 |
| PSSOME | -8.0075608 | 5.9751792 |
| PSHS | -11.521017 | 5.9145953 |
| FKW | .76739123 | .13536038 |
| FKWHS | .21632016 | .18777934 |
| FKWSOME | .17500007 | .18111234 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 1.7026711 | 1.1167188 |
| ENTAGE | -.23250184 | .14782362 |
| OCCUP | .65973386E-01 | .28288681 |
| NOINC | -.32603053E-01 | 2.2936702 |
| INCOME | .24055812E-03 | .21179786E-03 |
| NOOCCUP | -2.3706299 | 2.2696503 |
| ETH2 | -3.1908558 | 2.7025745 |
| ETH1 | 1.0292504 | 1.5322566 |
| LANG | 3.2556074 | 4.5258442 |
| PSSOME | -2.8329236 | 3.8996282 |
| PSHS | -7.4251251 | 3.8600933 |
| FKW | .48986400 | .88341410E-01 |
| FKWHS | .12752000 | .12255205 |
| FKWSOME | .32594824E-03 | .11820091 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .52889595 | .77534452 |
| ENTAGE | -.12079876 | .10245133 |
| OCCUP | .22496713 | .19605886 |
| NOINC | .55687122 | 1.5896619 |
| INCOME | .77003962E-04 | .14678962E-03 |
| NOOCCUP | -3.2705726 | 1.5730145 |
| ETH2 | -1.8849200 | 1.8730590 |
| ETH1 | 1.4624226 | 1.0619529 |
| LANG | 2.2457671 | 3.1367079 |
| PSSOME | -2.1122386 | 2.7026947 |
| PSHS | -3.8155997 | 2.6752944 |
| FKW | .32590784 | .61226313E-01 |
| FKWHS | .11043058 | .84936503E-01 |
| FKWSOME | .53805486E-01 | .81920877E-01 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.8377689 | .42322217 |
| ENTAGE | -.23785455E-01 | .55923107E-01 |
| OCCUP | .61923743E-01 | .10701882 |
| NOINC | -.91371244 | .86771767 |
| INCOME | -.34269879E-04 | .80125183E-04 |
| NOOCCUP | .48284080 | .85863073 |
| ETH2 | -1.6913593 | 1.0224102 |
| ETH1 | 1.0157003 | .57966751 |
| LANG | -1.4245502 | 1.7121707 |
| PSSOME | -.58908955 | 1.4752671 |
| PSHS | -1.3486291 | 1.4603107 |
| FKW | .19505955 | .33420412E-01 |
| FKWHS | .33903329E-01 | .46362630E-01 |
| FKWSOME | .12528688E-02 | .44716549E-01 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .14520867 | .75372411 |
| ENTAGE | .63086334E-01 | .99594484E-01 |
| OCCUP | .14591239 | .19059178 |
| NOINC | .68058006 | 1.5453343 |
| INCOME | .83903778E-04 | .14269640E-03 |
| NOOCCUP | -1.6100814 | 1.5291512 |
| ETH2 | -.92468424 | 1.8208289 |
| ETH1 | .43866792 | 1.0323405 |
| LANG | 1.4550148 | 3.0492362 |
| PSSOME | .47493676 | 2.6273302 |
| PSHS | -1.0775187 | 2.6006941 |
| FKW | .14285000 | .59519093E-01 |
| FKWHS | -.41722444E-02 | .82568056E-01 |
| FKWSOME | -.44904758E-01 | .79636520E-01 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .43126224 | .24687620 |
| ENTAGE | .17098617E-01 | .32621364E-01 |
| OCCUP | .55627778E-01 | .62426787E-01 |
| NOINC | .43856258 | .50616168 |
| INCOME | -.43088412E-04 | .46739047E-04 |
| NOOCCUP | -.38943315 | .50086103 |
| ETH2 | -.50246902 | .59639772 |
| ETH1 | .29167041 | .33813473 |
| LANG | .47510125 | .99875253 |
| PSSOME | -.24597826 | .86056066 |
| PSHS | -.22512584 | .85183621 |
| FKW | .46943772E-01 | .19494972E-01 |
| FKWHS | .29044579E-02 | .27044495E-01 |
| FKWSOME | .36270436E-02 | .26084295E-01 |

## Table C5-IIIK(PS)-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.13649990 | .27502567 |
| ENTAGE | .25436451E-01 | .36340936E-01 |
| OCCUP | -.20803720E-01 | .69544851E-01 |
| NOINC | -.63506952E-01 | .56387554 |
| INCOME | -.41217783E-05 | .52068354E-04 |
| NOOCCUP | .16381473 | .55797050 |
| ETH2 | -.43534092 | .66440052 |
| ETH1 | -.18748442 | .37668972 |
| LANG | .46222837 | 1.1126329 |
| PSSOME | -.30268214E-01 | .95868401 |
| PSHS | -.32443526 | .94896477 |
| FKW | .21145751E-01 | .21717839E-01 |
| FKWHS | .43951479E-02 | .30128170E-01 |
| FKWSOME | -.25708488E-02 | .29058493E-01 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.0917881 | .89559124 |
| ENTAGE | -.16286198 | .11834031 |
| OCCUP | .21292317 | .22646526 |
| NOINC | -.93101889 | 1.8361995 |
| INCOME | .20296444E-03 | .16955494E-03 |
| NOOCCUP | -.89986353 | 1.8169704 |
| ETH2 | -1.9043804 | 2.1635482 |
| ETH1 | 1.2113634 | 1.2266492 |
| LANG | 1.4000881 | 3.6231682 |
| PSSOME | .57678376 | 3.1218505 |
| PSHS | -3.0547351 | 3.0902008 |
| FKW | .49508211 | .70721786E-01 |
| FKWHS | .19678073E-01 | .98109144E-01 |
| FKWSOME | -.61569358E-01 | .94625830E-01 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .90145661E-02 | .69713362 |
| ENTAGE | -.10427853 | .92116814E-01 |
| OCCUP | .20683775 | .17628193 |
| NOINC | .30190177 | 1.4293088 |
| INCOME | .14796405E-03 | .13198259E-03 |
| NOOCCUP | -2.1174578 | 1.4143407 |
| ETH2 | -1.5752708 | 1.6841190 |
| ETH1 | 1.8054813 | .95483115 |
| LANG | 2.0002700 | 2.8202960 |
| PSSOME | -.50056578 | 2.4300672 |
| PSHS | -3.9315599 | 2.4054310 |
| FKW | .29583343 | .55050265E-01 |
| FKWHS | .48096701E-01 | .76368750E-01 |
| FKWSOME | -.39071146E-02 | .73657317E-01 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.92053120 | .66747438 |
| ENTAGE | -.34066071E-01 | .88197745E-01 |
| OCCUP | .64191966E-01 | .16878209 |
| NOINC | .97317326E-01 | 1.3684995 |
| INCOME | .11887361E-03 | .12636745E-03 |
| NOOCCUP | -1.9189382 | 1.3541682 |
| ETH2 | -1.9785996 | 1.6124689 |
| ETH1 | 1.3622822 | .91420828 |
| LANG | 4.9327404 | 2.7003077 |
| PSSOME | -1.9476608 | 2.3266811 |
| PSHS | -3.4908104 | 2.3030930 |
| FKW | .31217622 | .52708176E-01 |
| FKWHS | .40801227E-01 | .73119675E-01 |
| FKWSOME | .32482044E-01 | .70523599E-01 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .53446004 | .67656602 |
| ENTAGE | -.80973340E-01 | .89399083E-01 |
| OCCUP | -.92601012E-01 | .17108106 |
| NOINC | 1.0333043 | 1.3871397 |
| INCOME | .94597015E-04 | .12808870E-03 |
| NOOCCUP | -2.7617492 | 1.3726133 |
| ETH2 | -3.3903162 | 1.6344323 |
| ETH1 | 2.1944163 | .92666067 |
| LANG | 4.5162988 | 2.7370885 |
| PSSOME | -3.5173656 | 2.3583727 |
| PSHS | -5.2203197 | 2.3344633 |
| FKW | .21358348 | .53426112E-01 |
| FKWHS | .12752647 | .74115635E-01 |
| FKWSOME | .94386336E-01 | .71484198E-01 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.54273920 | .62088008 |
| ENTAGE | -.45466158E-01 | .82040936E-01 |
| OCCUP | .10029803 | .15699994 |
| NOINC | -.37323533E-02 | 1.2729688 |
| INCOME | .14420844E-03 | .11754613E-03 |
| NOOCCUP | -1.9828186 | 1.2596380 |
| ETH2 | -1.2845118 | 1.4999075 |
| ETH1 | 1.3334728 | .85039025 |
| LANG | 2.5588877 | 2.5118077 |
| PSSOME | -2.5425344 | 2.1642627 |
| PSHS | -2.8098865 | 2.1423212 |
| FKW | .24163153 | .49028783E-01 |
| FKWHS | .39992458E-01 | .68015419E-01 |
| FKWSOME | .48131691E-01 | .65600567E-01 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .28626255 | .31161323 |
| ENTAGE | -.19781033E-01 | .41175490E-01 |
| OCCUP | .11952062E-01 | .78796631E-01 |
| NOINC | -.17965130 | .63888975 |
| INCOME | .63765049E-05 | .58995178E-04 |
| NOOCCUP | -.35961643 | .63219915 |
| ETH2 | -.13533044 | .75278790 |
| ETH1 | .80250676E-01 | .42680199 |
| LANG | 1.2484614 | 1.2606501 |
| PSSOME | -.92864234 | 1.0862209 |
| PSHS | -.67072769 | 1.0752087 |
| FKW | .11397304 | .24607034E-01 |
| FKWHS | .10665802E-01 | .34136229E-01 |
| FKWSOME | .19018102E-01 | .32924240E-01 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .24263339 | .61920467 |
| ENTAGE | -.10101773 | .81819553E-01 |
| OCCUP | .21301507 | .15657628 |
| NOINC | .73652252 | 1.2695337 |
| INCOME | .70627457E-04 | .11722894E-03 |
| NOOCCUP | -2.9109562 | 1.2562389 |
| ETH2 | -1.7495896 | 1.4958600 |
| ETH1 | 1.3821718 | .84809552 |
| LANG | .99730568 | 2.5050297 |
| PSSOME | -1.1835963 | 2.1584226 |
| PSHS | -3.1448720 | 2.1365403 |
| FKW | .21193480 | .48896481E-01 |
| FKWHS | .99764775E-01 | .67831883E-01 |
| FKWSOME | .34787384E-01 | .65423547E-01 |

## Table C5-IIIK(PS)-26

## TREATMENT REGRESSION COEFFICIENTS AND STANDARD ERRORS BY OUTCOME FOR HEAD START STUDIES OF COHORT III-K SITES IN THE DIRECT INSTRUCTION MODEL

| | New York, NY | | Grand Rapids, MI | | W. Iron Co., MI | | Flint, MI | | Providence, RI | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local |
| **Word Knowledge** | | | | | | | | | | |
| b | -.53 | -.91 | -.57 | -.70 | -6.06** | -3.83 | 1.23 | .99 | 4.46** | 1.53 |
| Standard Error | 1.51 | 2.37 | .71 | 2.06 | 2.30 | 3.29 | 1.02 | 2.70 | .75 | 2.50 |
| **Spelling** | | | | | | | | | | |
| b | 1.79 | .28 | 1.68 | 1.71 | -5.17* | -2.57 | 3.14* | 1.85 | 9.37** | 2.07 |
| Standard Error | 2.02 | 2.96 | .91 | 2.57 | 2.06 | 4.11 | 1.51 | 3.37 | .95 | 3.12 |
| **Language** | | | | | | | | | | |
| b | 11.78** | 10.83** | -2.74** | -1.75 | -1.98 | -1.18 | 9.10** | 8.20** | 11.54** | 8.21** |
| Standard Error | 1.60 | 2.05 | .49 | 1.79 | 1.30 | 2.85 | 1.38 | 2.33 | .76 | 2.17 |
| **Math Computations** | | | | | | | | | | |
| b | 11.03** | 9.25** | -1.40** | .46 | .60 | 1.54 | 7.96** | 6.07** | 14.63** | 10.86** |
| Standard Error | 1.15 | 1.79 | .47 | 1.56 | 1.38 | 2.49 | 1.04 | 2.04 | .65 | 1.89 |
| **Raven's** | | | | | | | | | | |
| b | -1.07 | -1.06 | -.20 | .80 | .55 | -.57 | -2.66** | -4.17** | .75 | .48 |
| Standard Error | .90 | 1.12 | .34 | .97 | .73 | 1.55 | .73 | 1.27 | .41 | 1.18 |
| **Reading** | | | | | | | | | | |
| b | .07 | -.28 | 2.51** | 1.94 | -4.78** | -3.21 | 2.57** | 3.18 | 2.94** | 3.63 |
| Standard Error | 1.14 | 1.85 | .52 | 1.60 | 1.62 | 2.56 | .74 | 2.10 | .63 | 1.95 |
| **Math Concepts** | | | | | | | | | | |
| b | 5.47** | 3.88* | -3.26** | -1.68 | -5.00** | -4.42 | 3.07* | 2.65 | 6.25** | 5.35** |
| Standard Error | 1.26 | 1.77 | .50 | 1.54 | 1.48 | 2.45 | 1.14 | 2.01 | .67 | 1.86 |
| **Math Problem Solving** | | | | | | | | | | |
| b | 5.28** | 3.54** | -1.23** | -.08 | -4.76** | -4.04 | 4.59** | 4.46** | 5.89** | 5.89** |
| Standard Error | 1.06 | 1.64 | .42 | 1.43 | 1.59 | 2.28 | 1.04 | 1.87 | .70 | 1.73 |
| **Coopersmith** | | | | | | | | | | |
| b | -3.86** | -3.64 | -2.91** | -1.53 | -2.73 | -1.30 | -4.31** | -4.83** | 1.77** | 1.56 |
| Standard Error | 1.00 | 2.00 | .58 | 1.73 | 1.67 | 2.77 | 1.54 | 2.27 | .70 | 2.11 |
| **IARS(-)** | | | | | | | | | | |
| b | .77 | .85 | 1.27** | .56 | -.59 | -.69 | .39 | .05 | 1.94** | .68 |
| Standard Error | .57 | .73 | .23 | .63 | .49 | 1.01 | .37 | .83 | .30 | .77 |
| **IARS(+)** | | | | | | | | | | |
| b | -.99 | -1.15 | -.08 | .45 | 1.05** | .55 | -.26 | -.74 | 1.34** | .54 |
| Standard Error | .61 | .65 | .20 | .57 | .33 | .91 | .44 | .74 | .24 | .69 |
| **Total Reading** | | | | | | | | | | |
| b | -.46 | -1.19 | 1.94 | 1.27 | -11.64** | -7.04 | 3.81** | 4.16 | 7.40** | 5.16 |
| Standard Error | 2.47 | 3.90 | 1.15 | 3.39 | 3.83 | 5.41 | 1.55 | 4.43 | 1.26 | 4.11 |
| **Total Math** | | | | | | | | | | |
| b | 21.79** | 16.67** | -5.90** | -1.30 | -9.16* | -6.92 | 15.63** | 13.18* | 26.77** | 22.10** |
| Standard Error | 3.11 | 4.54 | 1.21 | 3.95 | 3.85 | 6.30 | 2.94 | 5.16 | 1.81 | 4.88 |
| **Language Part A** | | | | | | | | | | |
| b | 1.19* | .80 | -.00 | .03 | -.67 | -.93 | 1.22* | .49 | 3.59** | 1.12 |
| Standard Error | .50 | .83 | .24 | .72 | .72 | 1.14 | .46 | .94 | .28 | .87 |
| **Language Part B** | | | | | | | | | | |
| b | 10.59** | 10.03** | -2.73** | -1.79 | -1.31 | -.25 | 7.88** | 7.71** | 7.96** | 7.09** |
| Standard Error | 1.29 | 1.64 | .38 | 1.43 | .87 | 2.27 | 1.17 | 1.86 | .60 | 1.73 |

* $p < .05$

** $p < .01$

## Table C5-IIIK(PS)-27

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR DIRECT INSTRUCTION MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 188 | 94 | 34 | 316 | 49 | 118 | 150 | 317 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 28.96 | 32.53 | 24.65 | 29.56 | 31.12 | 34.55 | 27.95 | 30.90 |
| STANDARD DEVIATION | 10.32 | 9.98 | 9.01 | 10.33 | 11.58 | 12.93 | 12.58 | 12.89 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.32 | 13.87 | 13.54 | 13.51 | 13.21 | 15.09 | 14.31 | 14.48 |
| STANDARD DEVIATION | 1.59 | 1.73 | 1.56 | 1.64 | 1.47 | 2.44 | 2.15 | 2.28 |
| NUMBER | 93 | 46 | 13 | 152 | 28 | 80 | 77 | 185 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 3788.17 | 4771.39 | 4221.36 | 4135.88 | 5457.69 | 6512.65 | 6549.07 | 6370.69 |
| STANDARD DEVIATION | 1982.41 | 2378.20 | 2894.98 | 2233.36 | 2236.46 | 2821.75 | 2713.48 | 2711.25 |
| MEDIAN | 3208.33 | 4200.00 | 2599.50 | 3736.68 | 5700.00 | 6249.75 | 6783.42 | 6245.92 |
| NUMBER | 93 | 49 | 14 | 156 | 26 | 78 | 71 | 175 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 4.08 | 7.14 | 1.92 | 0.00 | 16.67 | 22.54 | 16.57 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 21.28 | 9.57 | 8.82 | 16.46 | 16.33 | 30.51 | 20.00 | 23.34 |
| PERCENT BLACK | 76.60 | 88.30 | 88.24 | 81.33 | 63.27 | 66.95 | 74.67 | 70.03 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 53.72 | 47.87 | 50.00 | 51.58 | 44.90 | 50.00 | 47.33 | 47.95 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.60 | 64.18 | 62.85 | 63.69 | 63.29 | 64.54 | 63.77 | 63.98 |
| STANDARD DEVIATION | 3.66 | 4.18 | 4.89 | 3.97 | 3.94 | 3.93 | 4.06 | 4.01 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 98.94 | 98.94 | 100.00 | 99.05 | 81.63 | 98.31 | 94.00 | 93.69 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.25 | 11.97 | 11.80 | 11.51 | 10.84 | 12.62 | 11.09 | 11.71 |
| STANDARD DEVIATION | 2.18 | 1.97 | 1.36 | 2.08 | 2.59 | 2.33 | 2.81 | 2.69 |
| NUMBER | 97 | 49 | 12 | 158 | 29 | 81 | 79 | 189 |
| PERCENT HS GRAD | 40.21 | 59.18 | 33.33 | 45.57 | 31.03 | 67.90 | 37.97 | 49.74 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 59.18 | 47.06 | 64.29 | 55.83 | 48.28 | 25.30 | 27.50 | 29.69 |
| NUMBER | 98 | 51 | 14 | 163 | 29 | 83 | 80 | 192 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 59.49 | 100.00 | 0.00 | 0.00 | 15.46 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 29.75 | 0.00 | 100.00 | 0.00 | 37.22 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 10.76 | 0.00 | 0.00 | 100.00 | 47.32 |

## Table C5-IIIK(PS)-28

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR DIRECT INSTRUCTION MODEL IN NEW YORK, NY

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 16 | 8 | 4 | 28 | 37 | 43 | 73 | 153 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 36.31 | 38.75 | 21.00 | 34.82 | 31.32 | 34.28 | 27.11 | 30.14 |
| STANDARD DEVIATION | 9.40 | 6.32 | 11.43 | 10.40 | 11.78 | 13.19 | 11.87 | 12.54 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.00 | 13.67 | 13.00 | 13.80 | 13.28 | 14.38 | 14.80 | 14.05 |
| STANDARD DEVIATION | 1.71 | 1.51 | 0.00 | 1.54 | 1.71 | 2.39 | 1.86 | 1.99 |
| NUMBER | 12 | 6 | 2 | 20 | 18 | 8 | 15 | 41 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4730.00 | 5050.00 | 3250.00 | 4672.22 | 5811.76 | 7016.33 | 6024.75 | 6091.29 |
| STANDARD DEVIATION | 2943.18 | 1879.10 | 2474.87 | 2505.01 | 1775.49 | 2590.61 | 2977.47 | 2351.65 |
| MEDIAN | 3450.00 | 5416.67 | 3250.00 | 4350.00 | 5700.00 | 5300.00 | 6200.00 | 5766.33 |
| NUMBER | 10 | 6 | 2 | 18 | 17 | 6 | 12 | 35 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.33 | 25.00 | 14.29 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.33 | 2.74 | 1.96 |
| PERCENT BLACK | 93.75 | 87.50 | 100.00 | 92.86 | 72.97 | 90.70 | 90.41 | 86.27 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 68.75 | 75.00 | 50.00 | 67.86 | 45.95 | 55.81 | 47.95 | 49.67 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.50 | 63.42 | 61.99 | 63.26 | 62.51 | 64.05 | 62.61 | 62.99 |
| STANDARD DEVIATION | 4.01 | 3.96 | 2.69 | 3.75 | 3.64 | 3.92 | 3.39 | 3.64 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 93.75 | 87.50 | 100.00 | 92.86 | 75.68 | 95.35 | 90.41 | 88.24 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.91 | 10.98 | 11.98 | 11.65 | 10.59 | 11.41 | 9.83 | 10.48 |
| STANDARD DEVIATION | 1.91 | 2.47 | 1.45 | 2.01 | 2.32 | 3.52 | 3.66 | 3.06 |
| NUMBER | 13 | 6 | 2 | 21 | 19 | 8 | 15 | 42 |
| PERCENT HS GRAD | 69.23 | 50.00 | 50.00 | 61.90 | 26.32 | 50.00 | 26.67 | 30.95 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 38.46 | 33.33 | 50.00 | 38.10 | 47.37 | 0.00 | 26.67 | 30.95 |
| NUMBER | 13 | 6 | 2 | 21 | 19 | 8 | 15 | 42 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 57.14 | 100.00 | 0.00 | 0.00 | 24.18 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 28.57 | 0.00 | 100.00 | 0.00 | 28.10 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 14.29 | 0.00 | 0.00 | 100.00 | 47.71 |

Table C5-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR DIRECT INSTRUCTION MODEL IN GRAND RAPIDS, MI

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 59 | 64 | 20 | 143 | 4 | 15 | 28 | 47 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 25.78 | 30.30 | 22.95 | 27.41 | 33.00 | 27.07 | 22.96 | 25.13 |
| STANDARD DEVIATION | 8.20 | 8.77 | 7.51 | 8.76 | 9.38 | 9.43 | 9.24 | 9.61 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.04 | 13.40 | 12.33 | 13.15 | 12.25 | 14.36 | 13.41 | 13.62 |
| STANDARD DEVIATION | 1.24 | 1.64 | .58 | 1.40 | .50 | 2.92 | 1.76 | 2.23 |
| NUMBER | 25 | 20 | 3 | 48 | 4 | 14 | 22 | 40 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 3908.70 | 4354.55 | 3400.00 | 4081.25 | 4666.67 | 4966.53 | 6420.84 | 5689.03 |
| STANDARD DEVIATION | 2089.13 | 2319.02 | 1558.85 | 2151.36 | 2797.02 | 3086.76 | 2834.54 | 2957.12 |
| MEDIAN | 3275.00 | 3900.00 | 3175.00 | 3750.00 | 5700.00 | 4700.00 | 6150.25 | 5049.75 |
| NUMBER | 23 | 22 | 3 | 48 | 3 | 15 | 19 | 37 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.33 | 21.05 | 16.22 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 11.86 | 9.38 | 0.00 | 9.09 | 25.00 | 6.67 | 0.00 | 4.26 |
| PERCENT BLACK | 83.05 | 89.06 | 95.00 | 87.41 | 75.00 | 93.33 | 92.86 | 91.49 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 47.46 | 46.88 | 50.00 | 47.55 | 75.00 | 33.33 | 57.14 | 51.06 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 64.74 | 64.17 | 63.45 | 64.30 | 67.06 | 63.77 | 67.27 | 66.13 |
| STANDARD DEVIATION | 3.52 | 3.95 | 3.87 | 3.77 | 3.74 | 3.31 | 4.51 | 4.34 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.43 | 97.87 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 10.80 | 11.86 | 12.30 | 11.36 | 13.49 | 11.90 | 10.26 | 11.18 |
| STANDARD DEVIATION | 2.44 | 2.34 | 2.34 | 2.41 | 2.53 | 2.48 | 2.99 | 2.92 |
| NUMBER | 24 | 21 | 3 | 48 | 4 | 15 | 22 | 41 |
| PERCENT HS GRAD | 25.00 | 61.90 | 33.33 | 41.67 | 75.00 | 40.00 | 22.73 | 34.15 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 36.00 | 47.83 | 66.67 | 43.14 | 75.00 | 40.00 | 36.36 | 41.46 |
| NUMBER | 25 | 23 | 3 | 51 | 4 | 15 | 22 | 41 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 41.26 | 100.00 | 0.00 | 0.00 | 8.51 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 44.76 | 0.00 | 100.00 | 0.00 | 31.91 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 13.99 | 0.00 | 0.00 | 100.00 | 59.57 |

# Table C5-IIIK(PS)-28 (cont.)

## BACKGROUND VARIABLES
## FOR FT AND NFT CHILDREN
## IN COHORT III-K PRESCHOOL SAMPLE
## FOR DIRECT INSTRUCTION MODEL IN W. IRON CO., MI

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 11 | 3 | 3 | 17 | 4 | 23 | 15 | 42 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 33.36 | 36.67 | 36.33 | 34.47 | 32.25 | 45.52 | 38.13 | 41.62 |
| STANDARD DEVIATION | 11.80 | 4.04 | 8.39 | 10.01 | 9.03 | 10.20 | 13.01 | 11.88 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.00 | 15.33 | 13.33 | 14.12 | 14.00 | 16.26 | 15.87 | 15.90 |
| STANDARD DEVIATION | 2.00 | 1.15 | 1.15 | 1.80 | .82 | 1.74 | 1.96 | 1.85 |
| NUMBER | 11 | 3 | 3 | 17 | 4 | 23 | 15 | 42 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4100.00 | 7200.00 | 4666.33 | 4747.00 | 6275.00 | 7871.29 | 6464.07 | 7202.41 |
| STANDARD DEVIATION | 1928.73 | 916.52 | 4645.21 | 2558.22 | 3047.81 | 1938.43 | 2814.13 | 2441.07 |
| MEDIAN | 3800.00 | 7400.00 | 2500.00 | 4400.00 | 6450.00 | 8200.00 | 6350.00 | 8000.00 |
| NUMBER | 11 | 3 | 3 | 17 | 4 | 21 | 14 | 39 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 0.00 | 33.33 | 5.80 | 0.00 | 14.29 | 21.43 | 15.38 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PERCENT BLACK | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 54.55 | 0.00 | 0.00 | 35.29 | 25.00 | 39.13 | 40.00 | 38.10 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 65.27 | 72.90 | 67.80 | 67.07 | 65.19 | 66.68 | 63.84 | 65.52 |
| STANDARD DEVIATION | 3.17 | 1.56 | 1.21 | 3.93 | 5.94 | 4.37 | 3.39 | 4.30 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.42 | 13.00 | 11.98 | 11.79 | 10.09 | 13.52 | 12.45 | 12.81 |
| STANDARD DEVIATION | 1.53 | 0.00 | 1.45 | 1.45 | 3.24 | 1.24 | .94 | 1.72 |
| NUMBER | 11 | 3 | 2 | 16 | 4 | 23 | 15 | 42 |
| PERCENT HS GRAD | 36.36 | 100.00 | 50.00 | 50.00 | 25.00 | 100.00 | 73.33 | 83.33 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 27.27 | 0.00 | 33.33 | 23.53 | 0.00 | 4.35 | 0.00 | 2.38 |
| NUMBER | 11 | 3 | 3 | 17 | 4 | 23 | 15 | 42 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 64.71 | 100.00 | 0.00 | 0.00 | 9.52 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 17.65 | 0.00 | 100.00 | 0.00 | 54.76 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 17.65 | 0.00 | 0.00 | 100.00 | 35.71 |

## Table C5-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR DIRECT INSTRUCTION MODEL IN FLINT, MI

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 13 | 15 | 7 | 35 | 0 | 19 | 20 | 39 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 29.38 | 39.33 | 26.57 | 33.09 | 0.00 | 28.89 | 24.70 | 26.74 |
| STANDARD DEVIATION | 9.50 | 12.38 | 9.40 | 11.90 | 0.00 | 10.26 | 11.95 | 11.21 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.00 | 13.85 | 14.60 | 13.68 | 0.00 | 13.61 | 12.93 | 13.30 |
| STANDARD DEVIATION | 2.16 | 1.41 | 1.95 | 1.83 | 0.00 | 1.82 | 1.03 | 1.53 |
| NUMBER | 10 | 13 | 5 | 28 | 0 | 18 | 15 | 33 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 3661.54 | 5149.86 | 4733.33 | 4487.82 | 0.00 | 6733.28 | 7293.50 | 6996.91 |
| STANDARD DEVIATION | 1602.36 | 2877.97 | 3121.97 | 2516.15 | 0.00 | 2365.36 | 2569.93 | 2442.30 |
| MEDIAN | 4400.00 | 4000.00 | 4950.00 | 4200.00 | 0.00 | 6200.00 | 7550.00 | 6899.50 |
| NUMBER | 13 | 14 | 6 | 33 | 0 | 18 | 16 | 34 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 14.29 | 0.00 | 6.06 | 0.00 | 5.56 | 25.00 | 14.71 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.79 | 20.00 | 17.95 |
| PERCENT BLACK | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 84.21 | 75.00 | 79.49 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 61.54 | 53.33 | 71.43 | 60.00 | 0.00 | 52.63 | 45.00 | 48.72 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 64.02 | 63.43 | 59.52 | 62.87 | 0.00 | 64.28 | 64.29 | 64.28 |
| STANDARD DEVIATION | 3.59 | 4.14 | 7.27 | 4.89 | 0.00 | 3.42 | 3.64 | 3.49 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 100.00 | 95.00 | 97.44 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.97 | 12.04 | 11.36 | 11.91 | 0.00 | 11.87 | 10.77 | 11.37 |
| STANDARD DEVIATION | 1.94 | 1.30 | .92 | 1.52 | 0.00 | 2.23 | 1.61 | 2.02 |
| NUMBER | 13 | 15 | 5 | 33 | 0 | 19 | 16 | 35 |
| PERCENT HS GRAD | 46.15 | 46.67 | 20.00 | 42.42 | 0.00 | 52.63 | 18.75 | 37.14 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 92.31 | 60.00 | 83.33 | 76.47 | 0.00 | 36.84 | 37.50 | 37.14 |
| NUMBER | 13 | 15 | 6 | 34 | 0 | 19 | 16 | 35 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 37.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 42.86 | 0.00 | 100.00 | 0.00 | 48.72 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 20.00 | 0.00 | 0.00 | 100.00 | 51.28 |

## Table C5-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR DIRECT INSTRUCTION MODEL INPROVIDENCE, RI

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 89 | 4 | 0 | 93 | 4 | 18 | 14 | 36 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 29.13 | 27.25 | 0.00 | 29.05 | 26.25 | 33.39 | 36.07 | 33.64 |
| STANDARD DEVIATION | 10.94 | 12.69 | 0.00 | 10.95 | 16.50 | 12.33 | 14.19 | 13.44 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.17 | 15.50 | 0.00 | 13.41 | 13.00 | 16.00 | 15.30 | 15.55 |
| STANDARD DEVIATION | 1.40 | 2.89 | 0.00 | 1.71 | 0.00 | 2.50 | 2.87 | 2.61 |
| NUMBER | 35 | 4 | 0 | 39 | 2 | 17 | 10 | 29 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 3400.00 | 3500.00 | 0.00 | 3410.00 | 2000.00 | 5827.50 | 6349.80 | 5746.43 |
| STANDARD DEVIATION | 1720.96 | 600.00 | 0.00 | 1639.07 | 707.11 | 3346.77 | 2544.50 | 3112.90 |
| MEDIAN | 2580.00 | 3400.00 | 0.00 | 3125.00 | 2000.00 | 5200.00 | 5300.00 | 5033.33 |
| NUMBER | 36 | 4 | 0 | 40 | 2 | 18 | 10 | 30 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.78 | 20.00 | 23.33 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 24.72 | 0.00 | 0.00 | 23.66 | 75.00 | 44.44 | 64.29 | 55.56 |
| PERCENT BLACK | 75.28 | 100.00 | 0.00 | 76.34 | 25.00 | 55.56 | 35.71 | 44.44 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 53.93 | 25.00 | 0.00 | 52.69 | 25.00 | 61.11 | 35.71 | 47.22 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 62.60 | 62.18 | 0.00 | 62.58 | 64.76 | 63.90 | 61.96 | 63.24 |
| STANDARD DEVIATION | 3.52 | 2.86 | 0.00 | 3.49 | 2.57 | 3.75 | 3.70 | 3.69 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 98.88 | 100.00 | 0.00 | 98.92 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.00 | 12.99 | 0.00 | 11.20 | 9.45 | 13.49 | 13.07 | 13.05 |
| STANDARD DEVIATION | 2.30 | 1.65 | 0.00 | 2.31 | 2.12 | 2.27 | 2.79 | 2.59 |
| NUMBER | 36 | 4 | 0 | 40 | 2 | 16 | 11 | 29 |
| PERCENT HS GRAD | 38.89 | 75.00 | 0.00 | 42.50 | 0.00 | 75.00 | 63.64 | 65.52 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 80.56 | 50.00 | 0.00 | 77.50 | 100.00 | 38.89 | 33.33 | 40.63 |
| NUMBER | 36 | 4 | 0 | 40 | 2 | 18 | 12 | 32 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 95.70 | 100.00 | 0.00 | 0.00 | 11.11 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 4.30 | 0.00 | 100.00 | 0.00 | 50.00 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 38.89 |

## Table C5-IIIK(PS)-29

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR DIRECT INSTRUCTION MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 188 | 94 | 34 | 316 | 49 | 118 | 150 | 317 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 24.17 | 25.73 | 23.56 | 24.57 | 26.24 | 29.57 | 26.95 | 27.81 |
| STANDARD DEVIATION | 9.09 | 9.58 | 8.76 | 9.21 | 11.21 | 10.90 | 11.37 | 11.22 |
| SPELLING | | | | | | | | |
| MEAN | 19.52 | 21.59 | 20.21 | 20.21 | 21.29 | 23.69 | 23.09 | 23.03 |
| STANDARD DEVIATION | 11.59 | 11.23 | 12.95 | 11.64 | 13.29 | 12.03 | 12.56 | 12.47 |
| LANGUAGE | | | | | | | | |
| MEAN | 22.37 | 20.35 | 17.50 | 21.24 | 18.57 | 20.74 | 18.20 | 19.20 |
| STANDARD DEVIATION | 9.83 | 9.94 | 10.14 | 9.99 | 8.94 | 10.65 | 8.79 | 9.59 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 23.50 | 21.29 | 19.91 | 22.46 | 18.33 | 20.98 | 19.45 | 19.85 |
| STANDARD DEVIATION | 8.50 | 8.66 | 8.79 | 8.65 | 8.01 | 8.53 | 7.03 | 7.81 |
| RAVENS | | | | | | | | |
| MEAN | 17.46 | 17.76 | 16.88 | 17.48 | 18.12 | 18.97 | 17.87 | 18.32 |
| STANDARD DEVIATION | 4.37 | 4.72 | 4.70 | 4.51 | 5.17 | 4.93 | 4.70 | 4.87 |
| READING | | | | | | | | |
| MEAN | 18.46 | 19.83 | 18.79 | 18.91 | 18.94 | 22.16 | 19.85 | 20.57 |
| STANDARD DEVIATION | 6.74 | 7.46 | 7.33 | 7.03 | 7.89 | 8.55 | 8.58 | 8.53 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 18.68 | 18.89 | 16.47 | 18.50 | 16.39 | 20.52 | 18.65 | 19.00 |
| STANDARD DEVIATION | 7.60 | 7.45 | 8.23 | 7.63 | 7.77 | 8.53 | 7.37 | 7.98 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 14.94 | 14.66 | 13.59 | 14.71 | 13.00 | 15.64 | 14.28 | 14.59 |
| STANDARD DEVIATION | 6.82 | 6.88 | 6.73 | 6.82 | 6.94 | 7.53 | 6.74 | 7.11 |
| COOPERSMITH | | | | | | | | |
| MEAN | 35.62 | 35.31 | 34.53 | 35.41 | 36.96 | 38.03 | 38.05 | 37.87 |
| STANDARD DEVIATION | 6.62 | 6.36 | 8.11 | 6.71 | 6.07 | 7.85 | 7.16 | 7.26 |
| IARS(-) | | | | | | | | |
| MEAN | 10.52 | 10.34 | 10.32 | 10.44 | 10.67 | 10.72 | 10.69 | 10.70 |
| STANDARD DEVIATION | 2.66 | 2.43 | 2.31 | 2.55 | 3.13 | 2.33 | 2.58 | 2.58 |
| IARS(+) | | | | | | | | |
| MEAN | 12.99 | 12.72 | 12.24 | 12.78 | 13.29 | 13.56 | 13.47 | 13.48 |
| STANDARD DEVIATION | 2.27 | 2.63 | 3.25 | 2.50 | 2.30 | 2.28 | 2.03 | 2.16 |
| TOTAL READING | | | | | | | | |
| MEAN | 42.63 | 45.56 | 42.35 | 43.47 | 45.18 | 51.73 | 46.79 | 48.38 |
| STANDARD DEVIATION | 14.84 | 16.33 | 15.36 | 15.36 | 18.32 | 18.53 | 19.03 | 18.86 |
| TOTAL MATH | | | | | | | | |
| MEAN | 57.11 | 54.84 | 49.97 | 55.67 | 47.71 | 57.14 | 52.39 | 53.44 |
| STANDARD DEVIATION | 21.08 | 21.13 | 22.02 | 21.25 | 21.00 | 22.77 | 18.92 | 20.94 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 8.69 | 8.55 | 7.41 | 8.51 | 7.63 | 9.03 | 8.42 | 8.52 |
| STANDARD DEVIATION | 3.07 | 3.03 | 3.51 | 3.12 | 3.47 | 3.53 | 3.22 | 3.40 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 13.68 | 11.80 | 10.09 | 12.73 | 10.94 | 11.71 | 9.78 | 10.68 |
| STANDARD DEVIATION | 7.84 | 8.22 | 7.83 | 8.02 | 6.84 | 8.23 | 6.77 | 7.39 |

## Table C5-IIIK(PS)-30

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR DIRECT INSTRUCTION MODEL IN NEW YORK, NY

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 16 | 8 | 4 | 28 | 37 | 43 | 73 | 153 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 26.19 | 32.25 | 24.00 | 27.61 | 26.24 | 27.33 | 26.63 | 26.73 |
| STANDARD DEVIATION | 7.09 | 7.23 | 13.34 | 8.41 | 10.87 | 10.21 | 10.50 | 10.45 |
| SPELLING | | | | | | | | |
| MEAN | 25.37 | 31.25 | 20.25 | 26.32 | 22.24 | 22.72 | 24.26 | 23.34 |
| STANDARD DEVIATION | 11.24 | 4.86 | 17.44 | 11.11 | 13.27 | 12.12 | 12.34 | 12.46 |
| LANGUAGE | | | | | | | | |
| MEAN | 31.81 | 34.38 | 19.75 | 30.82 | 18.54 | 17.37 | 16.12 | 17.06 |
| STANDARD DEVIATION | 6.44 | 7.37 | 15.26 | 9.25 | 7.84 | 8.01 | 7.19 | 7.60 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 29.50 | 33.75 | 23.50 | 29.86 | 18.27 | 18.70 | 18.89 | 18.69 |
| STANDARD DEVIATION | 5.09 | 3.62 | 11.62 | 6.58 | 7.94 | 8.20 | 7.01 | 7.54 |
| RAVENS | | | | | | | | |
| MEAN | 17.81 | 16.62 | 13.75 | 16.89 | 18.32 | 17.81 | 16.59 | 17.35 |
| STANDARD DEVIATION | 4.59 | 6.50 | 3.86 | 5.13 | 5.17 | 4.35 | 4.12 | 4.49 |
| READING | | | | | | | | |
| MEAN | 18.69 | 26.50 | 20.75 | 21.21 | 19.14 | 21.21 | 20.11 | 20.18 |
| STANDARD DEVIATION | 6.23 | 5.53 | 8.81 | 7.08 | 7.41 | 7.87 | 7.36 | 7.51 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 22.31 | 25.37 | 17.75 | 22.54 | 15.62 | 17.40 | 17.53 | 17.03 |
| STANDARD DEVIATION | 6.13 | 4.10 | 11.27 | 6.72 | 7.18 | 7.32 | 6.50 | 6.90 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 17.69 | 20.50 | 17.50 | 18.46 | 12.54 | 13.77 | 13.64 | 13.41 |
| STANDARD DEVIATION | 4.06 | 4.87 | 8.06 | 4.93 | 6.26 | 6.35 | 5.79 | 6.04 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.94 | 35.25 | 30.25 | 34.36 | 37.24 | 37.16 | 37.41 | 37.30 |
| STANDARD DEVIATION | 5.22 | 4.89 | 6.02 | 5.32 | 6.22 | 7.80 | 7.02 | 7.03 |
| IARS(-) | | | | | | | | |
| MEAN | 12.50 | 11.25 | 12.00 | 12.07 | 11.24 | 11.12 | 11.26 | 11.22 |
| STANDARD DEVIATION | 2.94 | 3.58 | 1.63 | 2.96 | 2.78 | 2.08 | 2.51 | 2.45 |
| IARS(+) | | | | | | | | |
| MEAN | 13.50 | 12.50 | 10.75 | 12.82 | 13.57 | 13.93 | 13.63 | 13.70 |
| STANDARD DEVIATION | 1.41 | 3.70 | 6.70 | 3.26 | 2.13 | 2.18 | 1.83 | 2.00 |
| TOTAL READING | | | | | | | | |
| MEAN | 44.87 | 58.75 | 44.75 | 48.82 | 45.38 | 48.53 | 46.74 | 46.91 |
| STANDARD DEVIATION | 12.18 | 11.60 | 21.87 | 14.53 | 17.48 | 17.24 | 17.24 | 17.22 |
| TOTAL MATH | | | | | | | | |
| MEAN | 69.50 | 79.62 | 58.75 | 70.86 | 46.43 | 49.86 | 50.07 | 49.13 |
| STANDARD DEVIATION | 12.82 | 11.40 | 30.39 | 16.53 | 19.56 | 19.88 | 16.82 | 18.33 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 9.81 | 10.75 | 6.50 | 9.61 | 7.73 | 8.12 | 8.03 | 7.98 |
| STANDARD DEVIATION | 2.34 | 1.67 | 4.20 | 2.75 | 3.52 | 3.36 | 3.26 | 3.33 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 22.00 | 23.62 | 13.25 | 21.21 | 10.81 | 9.26 | 8.10 | 9.08 |
| STANDARD DEVIATION | 5.88 | 6.55 | 11.09 | 7.45 | 5.84 | 6.05 | 5.08 | 5.62 |

## Table C5-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR DIRECT INSTRUCTION MODEL IN GRAND RAPIDS, MI

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 59 | 64 | 20 | 143 | 4 | 15 | 28 | 47 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 20.56 | 24.42 | 20.35 | 22.26 | 21.75 | 27.47 | 21.71 | 23.55 |
| STANDARD DEVIATION | 9.67 | 9.49 | 6.15 | 9.33 | 13.57 | 10.58 | 9.76 | 10.46 |
| SPELLING | | | | | | | | |
| MEAN | 16.12 | 20.45 | 15.95 | 18.03 | 18.00 | 18.67 | 17.75 | 18.06 |
| STANDARD DEVIATION | 12.37 | 11.40 | 12.24 | 12.04 | 13.14 | 11.93 | 13.06 | 12.44 |
| LANGUAGE | | | | | | | | |
| MEAN | 13.95 | 15.69 | 12.65 | 14.55 | 16.50 | 19.87 | 15.79 | 17.15 |
| STANDARD DEVIATION | 6.21 | 6.54 | 6.26 | 6.42 | 11.85 | 13.48 | 7.09 | 9.88 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 15.98 | 17.27 | 15.20 | 16.45 | 18.00 | 19.07 | 15.75 | 17.00 |
| STANDARD DEVIATION | 6.02 | 6.32 | 5.91 | 6.15 | 5.94 | 6.70 | 5.88 | 6.22 |
| RAVENS | | | | | | | | |
| MEAN | 17.05 | 17.64 | 17.20 | 17.34 | 17.25 | 18.07 | 15.39 | 16.40 |
| STANDARD DEVIATION | 4.10 | 4.71 | 4.27 | 4.39 | 2.99 | 5.32 | 4.60 | 4.82 |
| READING | | | | | | | | |
| MEAN | 15.58 | 18.55 | 15.85 | 16.94 | 12.75 | 18.20 | 15.36 | 16.04 |
| STANDARD DEVIATION | 5.62 | 7.46 | 5.71 | 6.64 | 8.18 | 9.57 | 7.26 | 8.12 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 14.76 | 17.14 | 12.65 | 15.53 | 18.00 | 21.00 | 16.68 | 18.17 |
| STANDARD DEVIATION | 6.89 | 6.88 | 6.37 | 6.96 | 9.35 | 8.38 | 6.91 | 7.68 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 11.68 | 12.69 | 10.50 | 11.96 | 12.25 | 14.80 | 12.32 | 13.11 |
| STANDARD DEVIATION | 4.90 | 5.99 | 4.08 | 5.34 | 7.89 | 6.91 | 5.42 | 6.10 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.07 | 35.12 | 34.90 | 34.66 | 35.50 | 39.07 | 36.25 | 37.09 |
| STANDARD DEVIATION | 6.43 | 6.26 | 6.66 | 6.36 | 6.40 | 8.23 | 7.63 | 7.71 |
| IARS(-) | | | | | | | | |
| MEAN | 9.95 | 9.91 | 9.65 | 9.89 | 7.50 | 9.87 | 9.39 | 9.38 |
| STANDARD DEVIATION | 2.35 | 2.28 | 2.30 | 2.30 | 3.70 | 2.47 | 2.96 | 2.88 |
| IARS(+) | | | | | | | | |
| MEAN | 12.31 | 12.64 | 11.70 | 12.37 | 12.75 | 12.40 | 13.00 | 12.79 |
| STANDARD DEVIATION | 2.34 | 2.28 | 2.72 | 2.37 | 2.87 | 1.84 | 1.72 | 1.84 |
| TOTAL READING | | | | | | | | |
| MEAN | 36.14 | 42.97 | 36.20 | 39.20 | 34.50 | 45.67 | 37.07 | 39.60 |
| STANDARD DEVIATION | 14.29 | 16.20 | 10.80 | 15.06 | 20.92 | 18.79 | 16.21 | 17.56 |
| TOTAL MATH | | | | | | | | |
| MEAN | 42.42 | 47.09 | 38.35 | 43.94 | 48.25 | 54.87 | 44.75 | 48.28 |
| STANDARD DEVIATION | 15.93 | 17.34 | 13.40 | 16.46 | 22.54 | 20.17 | 16.13 | 18.21 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.58 | 7.86 | 6.35 | 7.53 | 7.75 | 8.20 | 7.29 | 7.62 |
| STANDARD DEVIATION | 3.24 | 2.96 | 3.23 | 3.14 | 3.40 | 4.38 | 3.39 | 3.67 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 6.37 | 7.83 | 6.30 | 7.01 | 8.75 | 11.67 | 8.50 | 9.53 |
| STANDARD DEVIATION | 4.02 | 5.13 | 5.31 | 4.75 | 8.92 | 9.68 | 5.39 | 7.27 |

Table C5-IIIK(PS)-30 (cont.)

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR DIRECT INSTRUCTION MODEL IN W. IRON CO., MI

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 11 | 3 | 3 | 17 | 4 | 23 | 15 | 42 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 31.18 | 20.00 | 34.00 | 29.71 | 37.00 | 38.70 | 38.53 | 38.48 |
| STANDARD DEVIATION | 6.94 | 14.73 | 13.00 | 10.05 | 5.94 | 5.23 | 7.05 | 5.87 |
| SPELLING | | | | | | | | |
| MEAN | 23.09 | 11.33 | 28.33 | 21.94 | 27.50 | 31.30 | 28.07 | 29.79 |
| STANDARD DEVIATION | 7.54 | 9.81 | 9.07 | 9.36 | 10.25 | 5.90 | 9.54 | 7.77 |
| LANGUAGE | | | | | | | | |
| MEAN | 24.82 | 22.33 | 26.00 | 24.59 | 26.00 | 28.65 | 30.87 | 29.19 |
| STANDARD DEVIATION | 6.97 | 7.09 | 2.65 | 6.24 | 12.96 | 9.68 | 10.65 | 10.17 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 26.36 | 23.67 | 24.33 | 25.53 | 24.50 | 28.04 | 25.33 | 26.74 |
| STANDARD DEVIATION | 5.78 | 2.52 | 4.93 | 5.11 | 8.70 | 5.46 | 5.55 | 5.85 |
| RAVENS | | | | | | | | |
| MEAN | 19.82 | 21.00 | 22.33 | 20.47 | 18.75 | 22.70 | 22.67 | 22.31 |
| STANDARD DEVIATION | 3.03 | 2.65 | 2.89 | 2.94 | 7.50 | 3.30 | 3.83 | 4.04 |
| READING | | | | | | | | |
| MEAN | 20.82 | 16.33 | 29.00 | 21.47 | 25.50 | 28.57 | 29.80 | 28.71 |
| STANDARD DEVIATION | 5.21 | 10.26 | 7.81 | 7.32 | 8.70 | 7.31 | 8.90 | 7.92 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 20.45 | 18.00 | 19.67 | 19.88 | 24.00 | 28.96 | 27.20 | 27.86 |
| STANDARD DEVIATION | 4.06 | 9.64 | 5.13 | 5.11 | 8.76 | 4.91 | 6.12 | 5.80 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 14.91 | 15.67 | 14.67 | 15.00 | 19.50 | 22.52 | 22.13 | 22.10 |
| STANDARD DEVIATION | 6.47 | 7.57 | 6.81 | 6.26 | 11.27 | 6.69 | 7.77 | 7.40 |
| COOPERSMITH | | | | | | | | |
| MEAN | 35.91 | 36.67 | 43.00 | 37.29 | 39.00 | 37.74 | 43.87 | 40.05 |
| STANDARD DEVIATION | 6.33 | 7.77 | 7.21 | 6.83 | 3.37 | 6.98 | 5.62 | 6.79 |
| IARS(-) | | | | | | | | |
| MEAN | 9.64 | 11.33 | 11.33 | 10.24 | 10.50 | 11.00 | 11.20 | 11.02 |
| STANDARD DEVIATION | 1.57 | 1.15 | 3.06 | 1.89 | 3.87 | 2.15 | 2.65 | 2.45 |
| IARS(+) | | | | | | | | |
| MEAN | 14.00 | 14.33 | 14.67 | 14.18 | 12.50 | 13.91 | 14.60 | 14.02 |
| STANDARD DEVIATION | 1.00 | 2.08 | 1.53 | 1.24 | 1.91 | 2.04 | 1.68 | 1.96 |
| TOTAL READING | | | | | | | | |
| MEAN | 52.00 | 36.33 | 63.00 | 51.18 | 62.50 | 67.26 | 68.33 | 67.19 |
| STANDARD DEVIATION | 11.72 | 24.79 | 20.81 | 16.88 | 14.39 | 11.36 | 15.08 | 12.83 |
| TOTAL MATH | | | | | | | | |
| MEAN | 61.73 | 57.33 | 58.67 | 60.41 | 68.00 | 79.52 | 74.67 | 76.69 |
| STANDARD DEVIATION | 14.72 | 15.04 | 13.65 | 13.81 | 27.86 | 14.86 | 17.93 | 17.27 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 9.27 | 8.00 | 9.33 | 9.06 | 9.25 | 11.13 | 11.40 | 11.05 |
| STANDARD DEVIATION | 3.32 | 3.61 | 2.31 | 3.07 | 4.19 | 2.70 | 1.88 | 2.60 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 15.55 | 14.33 | 16.67 | 15.53 | 16.75 | 17.52 | 19.47 | 18.14 |
| STANDARD DEVIATION | 4.55 | 4.04 | .58 | 3.94 | 9.54 | 8.56 | 9.28 | 8.74 |

## Table C5-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR DIRECT INSTRUCTION MODEL IN FLINT, MI

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 13 | 15 | 7 | 35 | 0 | 19 | 20 | 39 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 24.46 | 29.87 | 28.00 | 27.49 | 0.00 | 26.32 | 23.50 | 24.87 |
| STANDARD DEVIATION | 7.38 | 7.16 | 6.73 | 7.37 | 0.00 | 10.47 | 11.19 | 10.80 |
| SPELLING | | | | | | | | |
| MEAN | 23.69 | 24.53 | 28.86 | 25.09 | 0.00 | 22.16 | 20.40 | 21.26 |
| STANDARD DEVIATION | 9.44 | 8.84 | 9.35 | 9.10 | 0.00 | 12.34 | 12.96 | 12.53 |
| LANGUAGE | | | | | | | | |
| MEAN | 26.38 | 29.67 | 26.43 | 27.80 | 0.00 | 17.37 | 18.10 | 17.74 |
| STANDARD DEVIATION | 11.12 | 8.90 | 10.58 | 9.94 | 0.00 | 8.71 | 5.87 | 7.30 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 26.54 | 29.07 | 29.43 | 28.20 | 0.00 | 20.79 | 21.85 | 21.33 |
| STANDARD DEVIATION | 6.80 | 7.75 | 6.40 | 7.07 | 0.00 | 7.63 | 5.78 | 6.67 |
| RAVENS | | | | | | | | |
| MEAN | 17.31 | 17.33 | 15.43 | 16.94 | 0.00 | 18.68 | 21.30 | 20.03 |
| STANDARD DEVIATION | 4.77 | 3.68 | 5.41 | 4.40 | 0.00 | 5.45 | 3.70 | 4.76 |
| READING | | | | | | | | |
| MEAN | 21.00 | 22.73 | 21.71 | 21.89 | 0.00 | 19.79 | 17.05 | 18.38 |
| STANDARD DEVIATION | 3.79 | 6.02 | 6.29 | 5.25 | 0.00 | 6.08 | 6.70 | 6.47 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 19.00 | 22.20 | 25.29 | 21.63 | 0.00 | 17.95 | 18.15 | 18.05 |
| STANDARD DEVIATION | 9.10 | 8.60 | 5.15 | 8.36 | 0.00 | 6.92 | 5.58 | 6.19 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 16.23 | 19.73 | 19.71 | 18.43 | 0.00 | 13.74 | 13.05 | 13.38 |
| STANDARD DEVIATION | 7.32 | 7.63 | 7.89 | 7.54 | 0.00 | 7.04 | 4.63 | 5.86 |
| COOPERSMITH | | | | | | | | |
| MEAN | 35.77 | 34.33 | 32.29 | 34.46 | 0.00 | 39.53 | 39.10 | 39.31 |
| STANDARD DEVIATION | 9.13 | 7.77 | 11.44 | 8.89 | 0.00 | 6.33 | 5.50 | 5.84 |
| IARS(-) | | | | | | | | |
| MEAN | 9.85 | 11.73 | 10.86 | 10.86 | 0.00 | 10.63 | 10.65 | 10.64 |
| STANDARD DEVIATION | 2.54 | 2.19 | 1.95 | 2.38 | 0.00 | 2.61 | 1.66 | 2.15 |
| IARS(+) | | | | | | | | |
| MEAN | 12.62 | 13.27 | 13.57 | 13.09 | 0.00 | 13.74 | 13.25 | 13.49 |
| STANDARD DEVIATION | 2.96 | 3.08 | 1.99 | 2.80 | 0.00 | 2.40 | 2.97 | 2.68 |
| TOTAL READING | | | | | | | | |
| MEAN | 45.46 | 52.60 | 49.71 | 49.37 | 0.00 | 46.11 | 40.55 | 43.26 |
| STANDARD DEVIATION | 10.32 | 12.37 | 11.76 | 11.64 | 0.00 | 15.73 | 15.33 | 15.57 |
| TOTAL MATH | | | | | | | | |
| MEAN | 61.77 | 71.00 | 74.43 | 68.26 | 0.00 | 52.47 | 53.05 | 52.77 |
| STANDARD DEVIATION | 22.04 | 23.00 | 18.37 | 21.82 | 0.00 | 19.49 | 13.69 | 16.55 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 9.69 | 10.20 | 10.14 | 10.00 | 0.00 | 8.68 | 8.80 | 8.74 |
| STANDARD DEVIATION | 3.12 | 2.68 | 3.02 | 2.84 | 0.00 | 3.07 | 2.73 | 2.86 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 16.69 | 19.47 | 16.29 | 17.80 | 0.00 | 8.68 | 9.30 | 9.00 |
| STANDARD DEVIATION | 9.01 | 7.79 | 8.06 | 8.20 | 0.00 | 6.42 | 4.85 | 5.60 |

## Table C5-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR DIRECT INSTRUCTION MODEL INPROVIDENCE, RI

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 89 | 4 | 0 | 93 | 4 | 18 | 14 | 36 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 25.29 | 22.50 | 0.00 | 25.17 | 20.00 | 28.44 | 31.57 | 28.72 |
| STANDARD DEVIATION | 8.69 | 12.87 | 0.00 | 8.83 | 11.80 | 13.19 | 13.43 | 13.25 |
| SPELLING | | | | | | | | |
| MEAN | 19.67 | 17.00 | 0.00 | 19.56 | 9.50 | 22.06 | 26.21 | 22.28 |
| STANDARD DEVIATION | 11.25 | 15.68 | 0.00 | 11.37 | 13.20 | 14.16 | 12.19 | 13.87 |
| LANGUAGE | | | | | | | | |
| MEAN | 25.36 | 30.50 | 0.00 | 25.58 | 13.50 | 22.94 | 20.43 | 20.92 |
| STANDARD DEVIATION | 8.64 | 8.66 | 0.00 | 8.66 | 11.00 | 11.78 | 9.72 | 11.02 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 26.61 | 29.75 | 0.00 | 26.74 | 13.00 | 19.22 | 20.07 | 18.86 |
| STANDARD DEVIATION | 7.64 | 2.75 | 0.00 | 7.52 | 8.29 | 10.51 | 7.76 | 9.30 |
| RAVENS | | | | | | | | |
| MEAN | 17.39 | 21.00 | 0.00 | 17.55 | 16.50 | 18.00 | 19.50 | 18.42 |
| STANDARD DEVIATION | 4.58 | 5.35 | 0.00 | 4.64 | 6.03 | 5.25 | 3.16 | 4.60 |
| READING | | | | | | | | |
| MEAN | 19.67 | 18.75 | 0.00 | 19.63 | 16.75 | 22.06 | 20.79 | 20.97 |
| STANDARD DEVIATION | 7.44 | 6.13 | 0.00 | 7.37 | 8.88 | 9.39 | 10.57 | 9.68 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 20.35 | 22.25 | 0.00 | 20.43 | 14.25 | 19.50 | 20.00 | 19.11 |
| STANDARD DEVIATION | 7.47 | 5.74 | 0.00 | 7.39 | 9.50 | 9.97 | 10.08 | 9.84 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 16.42 | 14.75 | 0.00 | 16.34 | 11.50 | 14.06 | 14.86 | 14.08 |
| STANDARD DEVIATION | 7.57 | 6.80 | 0.00 | 7.51 | 6.95 | 7.79 | 9.70 | 8.34 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.71 | 41.00 | 0.00 | 36.89 | 33.75 | 38.00 | 37.21 | 37.22 |
| STANDARD DEVIATION | 6.52 | 1.83 | 0.00 | 6.44 | 6.95 | 10.35 | 8.02 | 9.04 |
| IARS(-) | | | | | | | | |
| MEAN | 10.74 | 9.50 | 0.00 | 10.69 | 8.75 | 10.22 | 9.86 | 9.92 |
| STANDARD DEVIATION | 2.77 | 1.73 | 0.00 | 2.73 | 3.59 | 2.62 | 2.32 | 2.58 |
| IARS(+) | | | | | | | | |
| MEAN | 13.10 | 11.25 | 0.00 | 13.02 | 12.00 | 13.00 | 12.71 | 12.78 |
| STANDARD DEVIATION | 2.28 | 4.27 | 0.00 | 2.39 | 3.74 | 2.79 | 1.90 | 2.53 |
| TOTAL READING | | | | | | | | |
| MEAN | 44.97 | 41.25 | 0.00 | 44.81 | 36.75 | 50.50 | 52.36 | 49.69 |
| STANDARD DEVIATION | 15.20 | 19.00 | 0.00 | 15.28 | 20.30 | 22.09 | 23.20 | 22.24 |
| TOTAL MATH | | | | | | | | |
| MEAN | 63.37 | 66.75 | 0.00 | 63.52 | 38.75 | 52.78 | 54.93 | 52.06 |
| STANDARD DEVIATION | 20.99 | 13.60 | 0.00 | 20.68 | 22.50 | 26.61 | 25.29 | 25.47 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 9.01 | 9.50 | 0.00 | 9.03 | 5.00 | 9.56 | 9.00 | 8.83 |
| STANDARD DEVIATION | 2.86 | 3.70 | 0.00 | 2.88 | 1.41 | 3.65 | 2.63 | 3.34 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 16.35 | 21.00 | 0.00 | 16.55 | 8.50 | 13.39 | 11.43 | 12.08 |
| STANDARD DEVIATION | 6.58 | 4.97 | 0.00 | 6.57 | 10.41 | 9.26 | 8.04 | 8.80 |

Table C5-IIIEF-1

### ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT III ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL

| | | DAYTON, OH | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| | Number | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 | — |
| BLACK | Percent | 100.0 | 100.0 | — | 85.3 | 2.7 | 44.8 | 98.6 | 100.0 | — |
| | Number | 131 | 59 | — | 52 | 2 | 64 | 72 | 18 | — |
| ORIENTAL | Percent | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | — |
| | Number | 0 | 0 | — | 0 | 0 | 1 | 0 | 0 | — |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | — | 0.0 | 0.0 | 15.4 | 0.0 | 0.0 | — |
| | Number | 0 | 0 | — | 0 | 0 | 22 | 0 | 0 | — |
| PUERTO RICAN | Percent | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| | Number | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 | — |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| | Number | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 | — |
| WHITE | Percent | 0.0 | 0.0 | — | 14.8 | 97.3 | 39.2 | 1.4 | 0.0 | — |
| | Number | 0 | 0 | — | 9 | 71 | 56 | 1 | 0 | — |
| OTHER | Percent | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| | Number | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 | — |
| BEST MATCHED SITE | | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

### Table C5-IIIEF-2

### DISTRIBUTION OF BACKGROUND VARIABLES COHORT III ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL

| | SPONSOR'S SITES | | | DAYTON, OH | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE Number | — | — | — | 131 | 59 | — | 61 | 73 | 143 | 73 | 18 | — |
| FALL KINDERGARTEN WRAT Mean Score | 38.8 | 46.9 | — | 41.6 | 47.4 | — | 40.2 | 50.3 | 46.9 | 34.7 | 43.1 | — |
| PERCENT WITH PRESCHOOL | 92 | 82 | — | 86 | 80 | — | 90 | 66 | 72 | 99 | 100 | — |
| Number Responding | — | — | — | 127 | 41 | — | 61 | 73 | 143 | 73 | 18 | — |
| CHILDREN'S ETHNICITY | | | | | | | | | | | | |
| Percent Black | 95 | 68 | — | 100 | 100 | — | 85 | 3 | 45 | 99 | 100 | — |
| Percent White | 5 | 32 | — | 0 | 0 | — | 15 | 97 | 39 | 1 | 0 | — |
| Percent Other | 0 | 0 | — | 0 | 0 | — | 0 | 0 | 16 | 0 | 0 | — |
| MEDIAN FAMILY INCOME | 2533 | 6044 | — | 2550 | 6200 | — | 3067 | 9833 | 1700 | 1981 | 2100 | — |
| Number Responding | — | — | — | 39 | 27 | — | 53 | 62 | 28 | 73 | 18 | — |
| MOTHER'S EDUCATION | | | | | | | | | | | | |
| Percent H.S. Graduates | 39 | 45 | — | 63 | 36 | — | 29 | 68 | 26 | 24 | 31 | — |
| Number Responding | — | — | — | 38 | 25 | — | 48 | 62 | 27 | 59 | 13 | — |
| FEMALE HEADS OF HOUSEHOLD, Percent | 47 | 17 | — | 63 | 33 | — | 60 | 7 | 47 | 18 | 11 | — |
| BEST MATCHED SITE | | | | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

## Table C5-IIIEF-3

## TEACHER BACKGROUND CHARACTERISTICS FOR COHORT III-E SITES IN DIRECT INSTRUCTION MODEL

| | Dayton, OH | | Tupelo, MS | | Williamsburg Co SC | |
|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | FT | NFT |
| YEARS OF ELEMENTARY TEACHING EXPERIENCE | | | | | | |
| Mean | 8.80 | 10.0 | 9.25 | 18.80 | 13.37 | 5.60 |
| Standard Deviation | 4.02 | 6.73 | 4.34 | 10.98 | 11.33 | 8.08 |
| N | 5 | 7 | 4 | 5 | 4 | 5 |
| YEARS IN SCHOOL | | | | | | |
| Mean | 6.30 | 9.50 | 3.12 | 10.40 | 8.37 | 5.40 |
| Standard Deviation | 5.26 | 7.20 | 2.25 | 10.28 | 8.49 | 8.20 |
| N | 5 | 6 | 4 | 5 | 4 | 5 |
| YEARS IN MODEL | | | | | | |
| Mean | 34.16 | 0 | 4.00 | 27.0 | 2.37 | .50 |
| Standard Deviation | 6.27 | 0 | 2.00 | 0 | 1.49 | 0 |
| N | 6 | 0 | 4 | 1 | 4 | 2 |
| TEACHER'S EDUCATION | | | | | | |
| % Less than B.A. | 20.0 | 0 | 0 | 0 | 0 | 0 |
| % with B.A. | 80.0 | 57.1 | 0 | 40 | 50 | 60 |
| % Some Graduate | 0 | 28.6 | 50 | 40 | 50 | 40 |
| % M.A. or More | 0 | 14.3 | 50 | 20 | 0 | 0 |
| N | 5 | 7 | 4 | 5 | 4 | 5 |
| TEACHER'S CERTIFICATION | | | | | | |
| % None | 0 | 0 | 0 | 0 | 0 | 0 |
| % Temporary | 50.0 | 14.3 | 0 | 0 | 0 | 0 |
| % Renewable/Permanent | 50.0 | 85.7 | 100 | 100 | 100 | 100 |
| N | 4 | 7 | 4 | 5 | 4 | 5 |
| TEACHER'S ETHNICITY | | | | | | |
| % White | 25 | 50.0 | 50 | 100 | 100 | 80.0 |
| % Black | 75 | 50.0 | 50 | 0 | 0 | 20.0 |
| % Spanish Surname | 0 | 0 | 0 | 0 | 0 | 0 |
| % Other | 0 | 0 | 0 | 0 | 0 | 0 |
| N | 4 | 6 | 4 | 5 | 4 | 5 |
| AGE IN YEARS | | | | | | |
| Mean | 40.25 | 34.16 | 37.0 | 45.0 | 38.75 | 27.80 |
| Standard Deviation | 15.58 | 6.27 | 7.07 | 13.28 | 10.43 | 10.23 |
| N | 4 | 6 | 4 | 5 | 4 | 5 |

## Table C5-IIIEF-4

## STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1974) FOR THE COHORT III ENTERING FIRST SITES IN THE DIM MODEL

| | SPONSOR'S SITES | | | DAYTON, OH | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| TEACHER CENTERED | 65.2 | 46.9 | — | 62.7 | 48.4 | — | 63.8 | 47.8 | 50.5 | 69.1 | 44.3 | — |
| Number | 3 | 3 | — | 5 | 6 | — | 4 | 5 | 26 | 4 | 4 | — |
| Local Mean Difference | 18.3 | — | — | 14.3 | — | — | 15.9 | — | — | 24.8 | — | — |
| Best Match Mean Difference | — | — | — | 14.3 | — | — | 13.3 | — | — | 24.8 | — | — |
| FLEXIBLE CLASSROOM | 41.3 | 51.0 | — | 47.7 | 56.7 | — | 39.0 | 42.5 | 43.5 | 37.1 | 53.9 | — |
| Number | 3 | 3 | — | 5 | 6 | — | 4 | 5 | 26 | 4 | 4 | — |
| Local Mean Difference | -9.8 | — | — | -9.0 | — | — | -3.5 | — | — | -16.8 | — | — |
| Best Match Mean Difference | — | — | — | -9.0 | — | — | -4.5 | — | — | -16.8 | — | — |
| INDIVIDUALIZATION | 42.0 | 48.7 | — | 42.9 | 51.7 | — | 40.9 | 36.7 | 46.3 | 42.1 | 57.7 | — |
| Number | 3 | 3 | — | 5 | 6 | — | 4 | 5 | 26 | 4 | 5 | — |
| Local Mean Difference | -6.7 | — | — | -8.7 | — | — | 4.2 | — | — | -15.6 | — | — |
| Best Match Mean Difference | — | — | — | -8.7 | — | — | -5.3 | — | — | -15.6 | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 47.6 | 46.7 | — | 47.5 | 51.4 | — | 47.2 | 41.6 | 47.3 | 48.1 | 47.2 | — |
| Number | 3 | 3 | — | 5 | 6 | — | 4 | 4 | 24 | 4 | 4 | — |
| Local Mean Difference | — | — | — | -3.9 | — | — | 5.5 | — | — | — | — | — |
| Best Match Mean Difference | — | -- | — | -3.9 | — | — | — | — | — | — | — | — |
| SATISFACTION WITH SPONSOR | 52.3 | 41.5 | — | 58.0 | — | — | 46.0 | 41.5 | 43.2 | 53.0 | — | — |
| Number | 3 | 1 | — | 5 | 0 | — | 4 | 5 | 22 | 4 | 0 | — |
| Local Mean Difference | 10.9 | — | — | — | — | — | 4.5 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 2.9 | — | — | — | — | — |
| BEST MATCHED SITE | | | | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

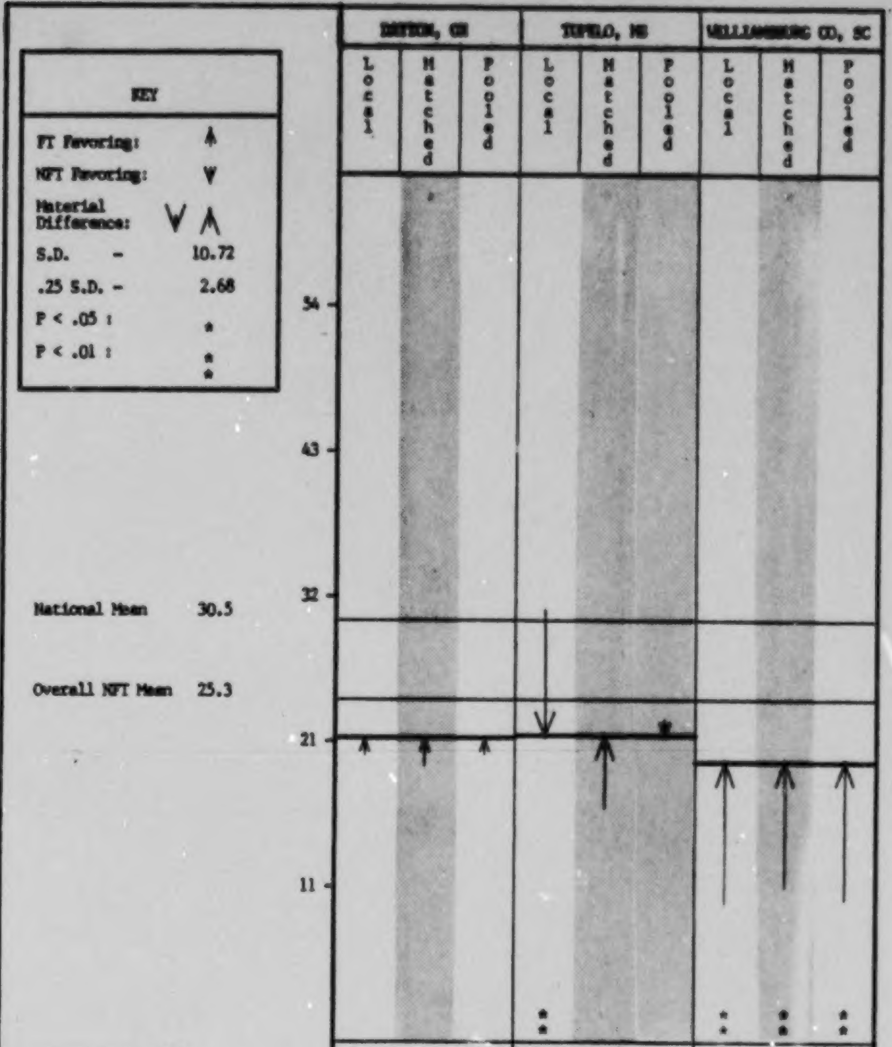
## Table C5-IIIEF-5

STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1974)
FOR THE COHORT III ENTERING FIRST SITES
IN THE DIM MODEL.

| | SPONSOR'S SITES | | | DAYTON, OH | | | TUPELO, MS | | | WILLIAMSBURG CO, S | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 48.8 | 51.1 | — | 55.4 | 55.7 | — | 45.0 | 46.9 | 46.0 | 46.0 | 50.8 | — |
| Number | 3 | 3 | — | 25 | 19 | — | 29 | 36 | 26 | 32 | 12 | — |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | -4.8 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| SCHOOL HELPED CHILD | 53.4 | 50.0 | — | 53.6 | 50.4 | — | 54.7 | 47.7 | 49.1 | 52.1 | 51.9 | — |
| Number | 3 | 3 | — | 25 | 19 | — | 29 | 36 | 26 | 32 | 12 | — |
| Local Mean Difference | 3.4 | — | — | 3.2 | — | — | 7.0 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 5.6 | — | — | — | — | — |
| PAC INVOLVEMENT | 53.1 | 46.1 | — | 49.6 | 47.0 | — | 57.8 | 46.5 | 47.4 | 51.8 | 44.8 | — |
| Number | 3 | 3 | — | 24 | 18 | — | 25 | 36 | 26 | 28 | 12 | — |
| Local Mean Difference | 7.0 | — | — | 2.6 | — | — | 11.4 | — | — | 6.9 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 10.5 | — | — | — | — | — |
| CHILD READS AT HOME | 51.5 | 50.5 | — | 49.4 | 51.2 | — | 52.4 | 50.1 | 49.2 | 53.8 | 50.3 | — |
| Number | 3 | 3 | — | 25 | 19 | — | 29 | 36 | 26 | 32 | 12 | — |
| Local Mean Difference | — | — | — | -2.8 | — | — | — | — | — | 3.6 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 3.3 | — | — | — | — | — |
| CHILD'S PROG IN SCHOOL | 50.3 | 50.6 | — | 50.0 | 50.6 | — | 51.1 | 50.9 | 46.5 | 49.9 | 50.2 | — |
| Number | 3 | 3 | — | 25 | 19 | — | 29 | 36 | 26 | 32 | 12 | — |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 4.7 | — | — | — | — | — |
| CHILD READ TO AT HOME | 48.9 | 50.5 | — | 46.0 | 49.6 | — | 47.3 | 48.4 | 52.9 | 53.4 | 53.5 | — |
| Number | 3 | 3 | — | 25 | 19 | — | 29 | 36 | 26 | 32 | 12 | — |
| Local Mean Difference | — | — | — | -3.7 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -5.6 | — | — | — | — | — |
| PARENT VISITS TO SCHOOL | 49.7 | 48.4 | — | 50.4 | 48.8 | — | 46.5 | 46.0 | 46.9 | 52.3 | 50.5 | — |
| Number | 3 | 3 | — | 25 | 19 | — | 29 | 36 | 26 | 32 | 12 | — |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| CHILD'S EMOT ADJUST | 52.5 | 51.6 | — | 53.2 | 50.6 | — | 50.0 | 49.0 | 51.7 | 54.3 | 55.3 | — |
| Number | 3 | 3 | — | 25 | 19 | — | 29 | 36 | 26 | 32 | 12 | — |
| Local Mean Difference | — | — | — | 2.6 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| SCH HELPED WITH CHILD | 54.5 | 49.2 | — | 53.0 | 51.0 | — | 55.9 | 44.8 | 47.9 | 54.8 | 51.9 | — |
| Number | 3 | 3 | — | 25 | 19 | — | 29 | 36 | 26 | 32 | 12 | — |
| Local Mean Difference | 5.3 | — | — | — | — | — | 11.1 | — | — | 2.8 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 7.9 | — | — | — | — | — |
| SCHOOL'S RECEPTIVITY | 50.0 | 52.1 | — | 47.6 | 50.3 | — | 52.0 | 54.8 | 50.6 | 50.4 | 51.3 | — |
| Number | 3 | 3 | — | 25 | 19 | — | 28 | 36 | 26 | 32 | 12 | — |
| Local Mean Difference | — | — | — | -2.8 | — | — | -2.7 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| PARENT LOCUS | 52.9 | 49.3 | — | 50.7 | 45.5 | — | 52.3 | 45.7 | 53.8 | 55.6 | 56.9 | — |
| Number | 3 | 3 | — | 25 | 19 | — | 29 | 36 | 26 | 32 | 12 | — |
| Local Mean Difference | 3.5 | — | — | 5.2 | — | — | 6.7 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| SCH HELPED PERSONALLY | 51.2 | 50.9 | — | 53.5 | 49.2 | — | 49.3 | 47.6 | 50.9 | 51.0 | 56.0 | — |
| Number | 3 | 3 | — | 25 | 19 | — | 29 | 36 | 26 | 32 | 12 | — |
| Local Mean Difference | — | — | — | 4.3 | — | — | — | — | — | -5.1 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| PARENT-CHILD INTERACTION | 48.9 | 51.1 | — | 44.7 | 49.9 | — | 47.1 | 51.8 | 48.6 | 54.8 | 51.6 | — |
| Number | 3 | 3 | — | 25 | 19 | — | 29 | 36 | 26 | 32 | 12 | — |
| Local Mean Difference | — | — | — | -5.1 | — | — | -4.6 | — | — | 3.2 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| BEST MATCHED SITE | | | | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, S | | |

### Table C5-IIIEF-7

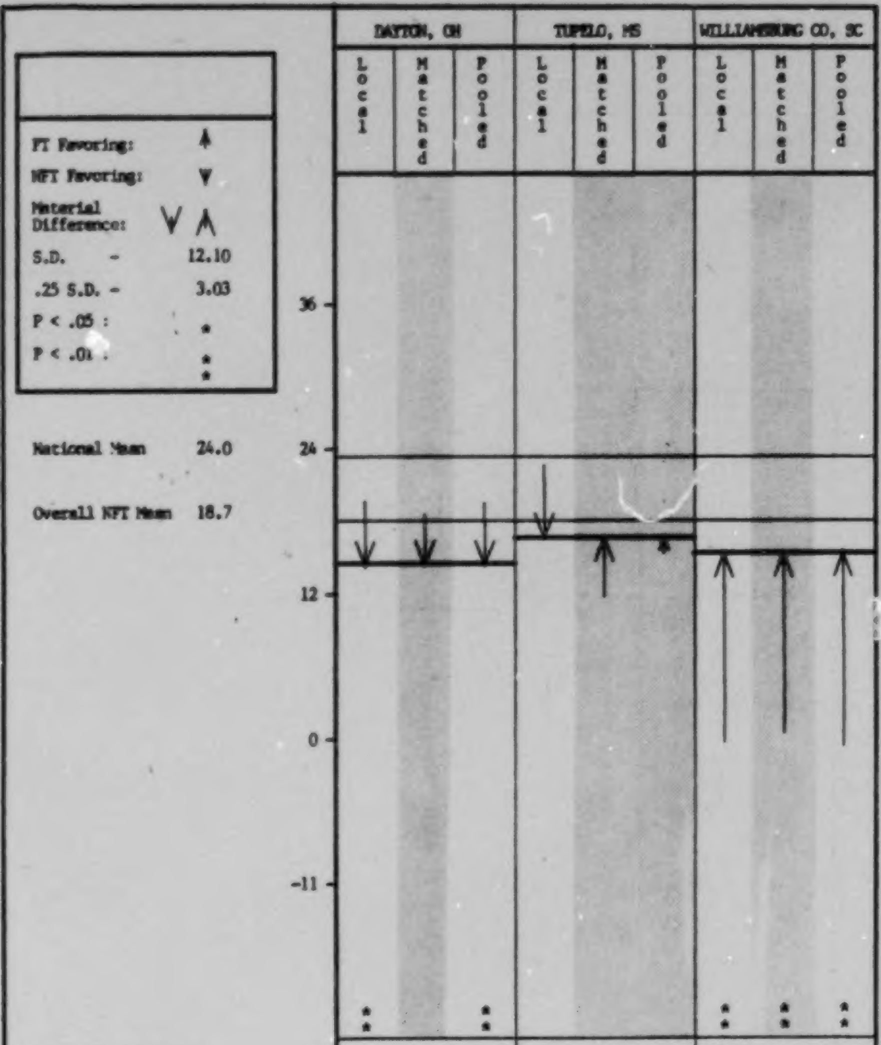
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT WORD KNOWLEDGE FOR COHORT III ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL



| | Dayton Local | Dayton Matched | Dayton Pooled | Tupelo Local | Tupelo Matched | Tupelo Pooled | Williamsburg Local | Williamsburg Matched | Williamsburg Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 0.68 | 1.87 | 0.97 | -9.20 | 5.52 | -0.25 | 10.42 | 9.65 | 10.08 |
| Standard Error | 1.66 | 2.72 | 0.84 | 3.46 | 3.30 | 0.93 | 2.74 | 1.79 | 0.77 |
| FT Mean | 21.87 | | | 22.21 | | | 20.16 | | |
| No. of FT Children | 131 | | | 61 | | | 73 | | |
| Matched NFT Site | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

Table C5-IIIEF-8

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT SPELLING FOR COHORT III ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL



| | DAYTON, OH Local | DAYTON, OH Matched | DAYTON, OH Pooled | TUPELO, MS Local | TUPELO, MS Matched | TUPELO, MS Pooled | WILLIAMSBURG CO, SC Local | WILLIAMSBURG CO, SC Matched | WILLIAMSBURG CO, SC Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -5.44 | -4.24 | -5.19 | -6.02 | 4.90 | 1.41 | 15.94 | 14.86 | 16.05 |
| Standard Error | 1.97 | 2.99 | 1.01 | 4.11 | 3.78 | 1.44 | 3.25 | 2.67 | 1.14 |
| FT Mean | 14.82 | | | 17.10 | | | 15.74 | | |
| No. of FT Children | 131 | | | 61 | | | 73 | | |
| Matched NFT Site | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

**COHORT III-EF STUDY**
**Non-Preschool Adjusted**

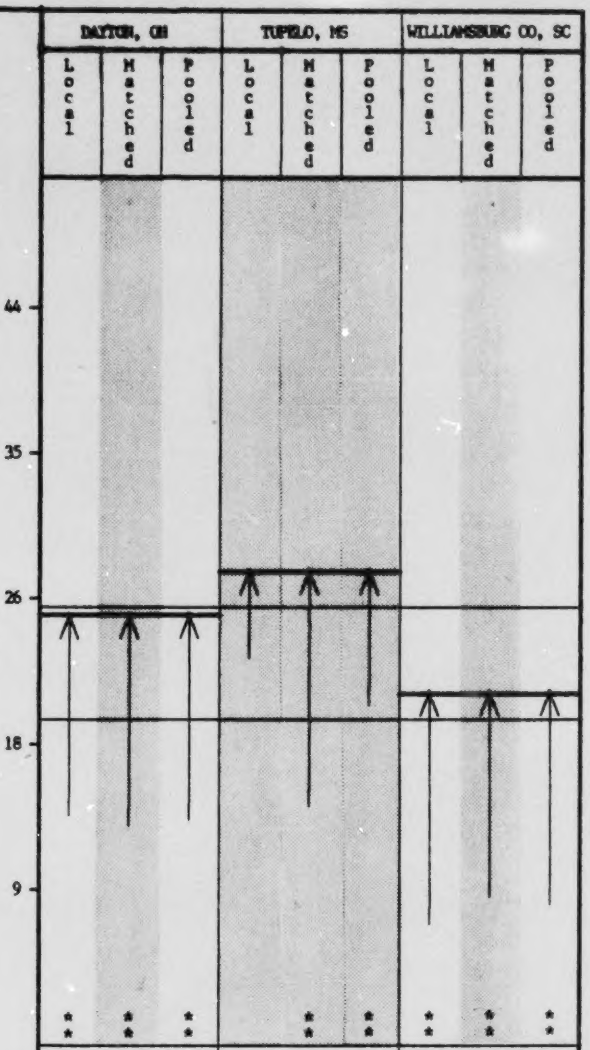
## Table C5-IIIEF-9

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE FOR COHORT III ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋎ ⋏ |
| S.D. - | 8.79 |
| .25 S.D. - | 2.20 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 26.0

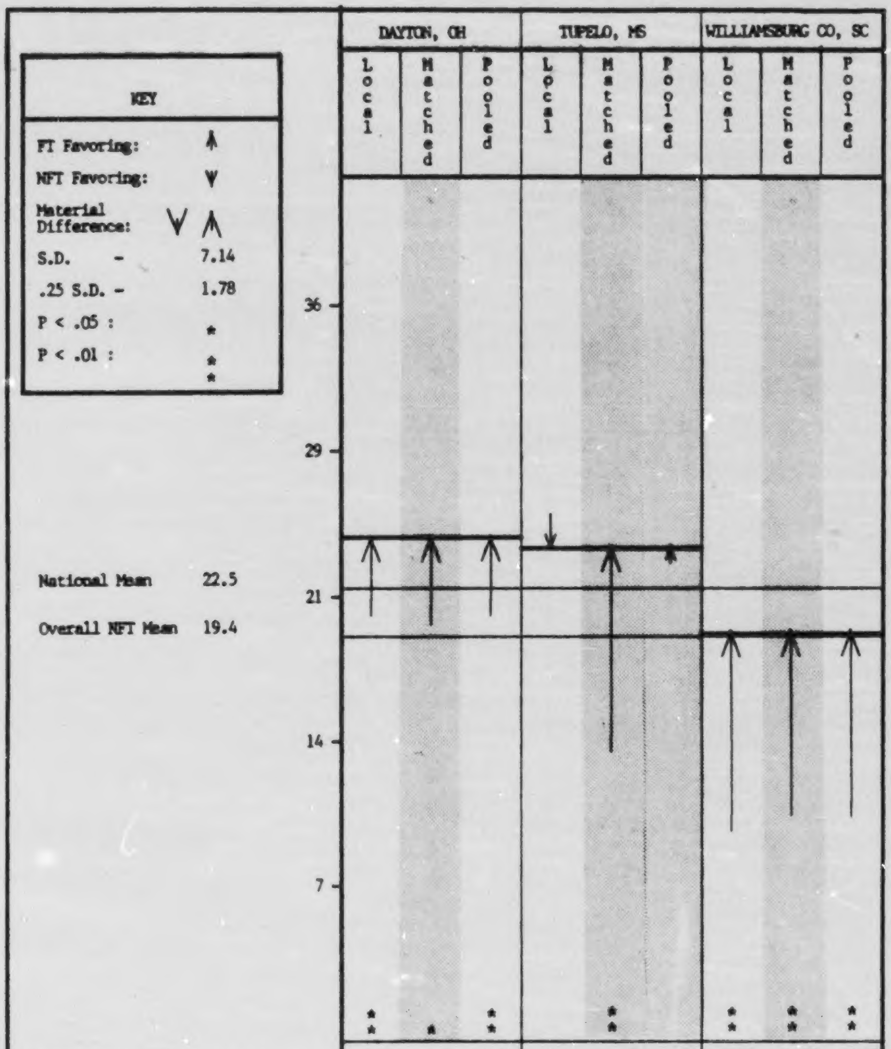
Overall NFT Mean 19.4



| | DAYTON, OH Local | DAYTON, OH Matched | DAYTON, OH Pooled | TUPELO, MS Local | TUPELO, MS Matched | TUPELO, MS Pooled | WILLIAMSBURG CO, SC Local | WILLIAMSBURG CO, SC Matched | WILLIAMSBURG CO, SC Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 12.00 | 12.59 | 12.35 | 5.32 | 14.16 | 8.00 | 13.95 | 12.37 | 12.80 |
| Standard Error | 1.61 | 2.44 | 0.95 | 3.37 | 2.93 | 1.19 | 2.66 | 2.00 | 0.87 |
| FT Mean | 25.61 | | | 28.29 | | | 20.93 | | |
| No. of FT Children | 131 | | | 61 | | | 73 | | |
| Matched NFT Site | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

Table C5-IIIEF-10

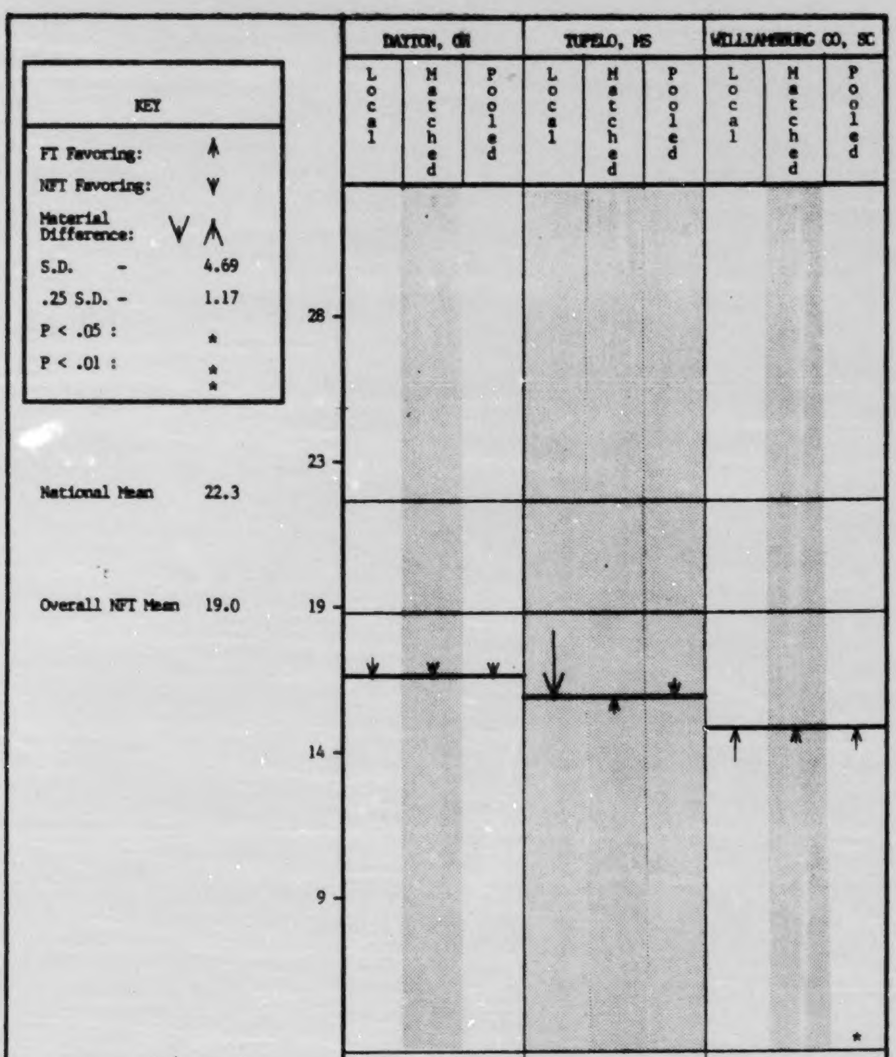
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT III ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL



| | DAYTON, OH Local | DAYTON, OH Matched | DAYTON, OH Pooled | TUPELO, MS Local | TUPELO, MS Matched | TUPELO, MS Pooled | WILLIAMSBURG CO, SC Local | WILLIAMSBURG CO, SC Matched | WILLIAMSBURG CO, SC Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 3.83 | 4.20 | 3.80 | -1.64 | 10.13 | 0.84 | 9.74 | 8.95 | 9.03 |
| Standard Error | 1.31 | 2.03 | 0.68 | 2.74 | 2.27 | 1.06 | 2.17 | 1.68 | 0.70 |
| FT Mean | 24.53 | | | 24.03 | | | 19.71 | | |
| No. of FT Children | 131 | | | 61 | | | 73 | | |
| Matched NFT Site | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

## Table C5-IIIEF-11

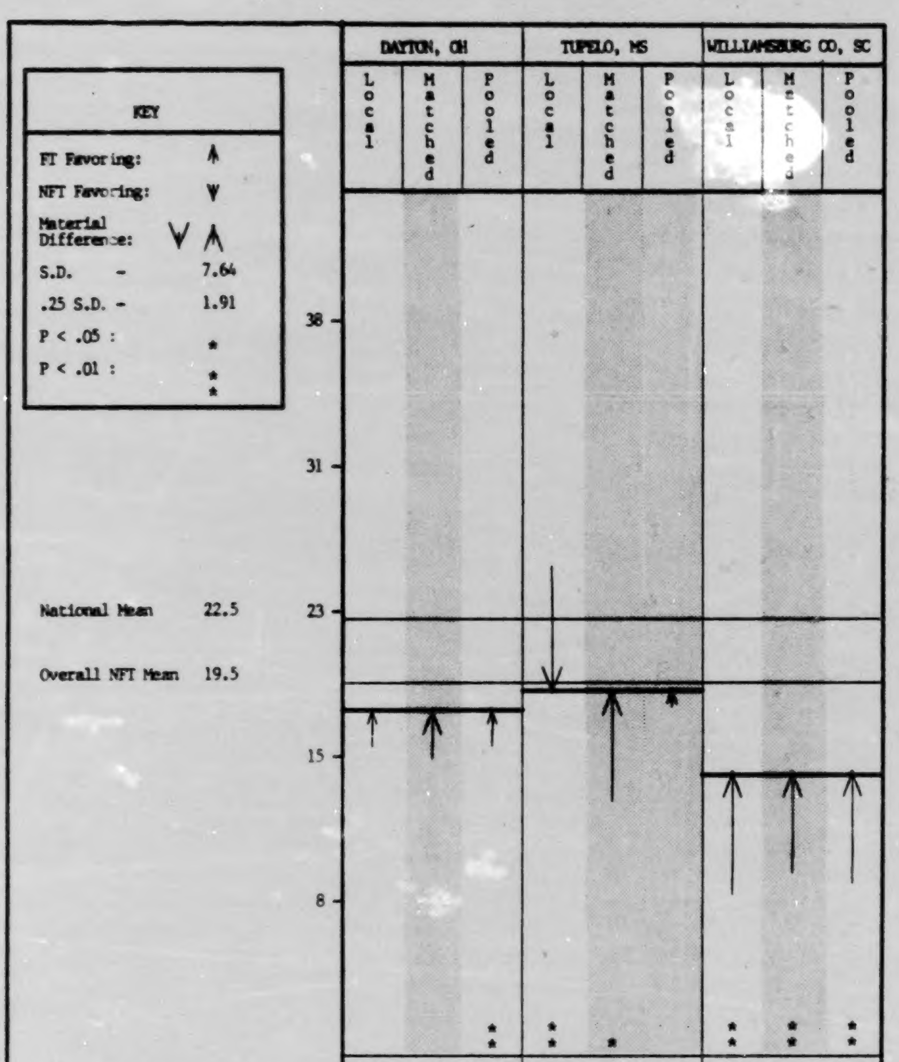
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE RAVEN'S PROGRESSIVE MATRICES FOR COHORT III ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL



| | DAYTON, OH Local | DAYTON, OH Matched | DAYTON, OH Pooled | TUPELO, MS Local | TUPELO, MS Matched | TUPELO, MS Pooled | WILLIAMSBURG CO, SC Local | WILLIAMSBURG CO, SC Matched | WILLIAMSBURG CO, SC Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.67 | -0.31 | -0.39 | -2.23 | 0.15 | -0.59 | 1.05 | 0.32 | 0.74 |
| Standard Error | 0.77 | 1.18 | 0.41 | 1.61 | 1.45 | 0.55 | 1.27 | 1.03 | 0.36 |
| FT Mean | 16.60 | | | 15.92 | | | 14.93 | | |
| No. of FT Children | 131 | | | 61 | | | 73 | | |
| Matched NFT Site | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

## Table C5-IIIEF-12

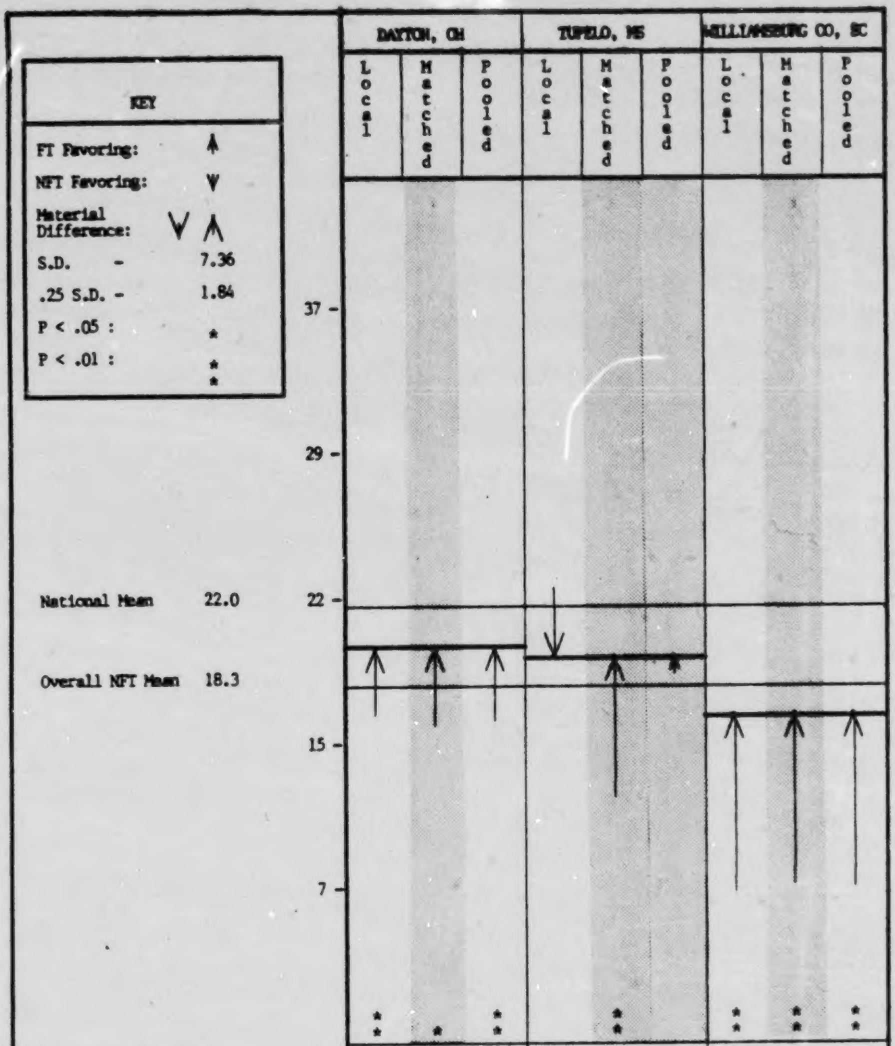
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT
## ON THE MAT READING
## FOR COHORT III ENTERING FIRST SITES
## IN THE DIRECT INSTRUCTION MODEL



| | DAYTON, OH | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 1.80 | 2.52 | 1.87 | -6.78 | 5.76 | 0.00 | 6.39 | 5.26 | 5.82 |
| Standard Error | 1.18 | 1.75 | 0.55 | 2.46 | 2.35 | 0.71 | 1.94 | 1.19 | 0.49 |
| FT Mean | 17.88 | | | 18.82 | | | 14.53 | | |
| No. of FT Children | 131 | | | 61 | | | 73 | | |
| Matched NFT Site | Deyton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

## Table C5-IIIEF-13

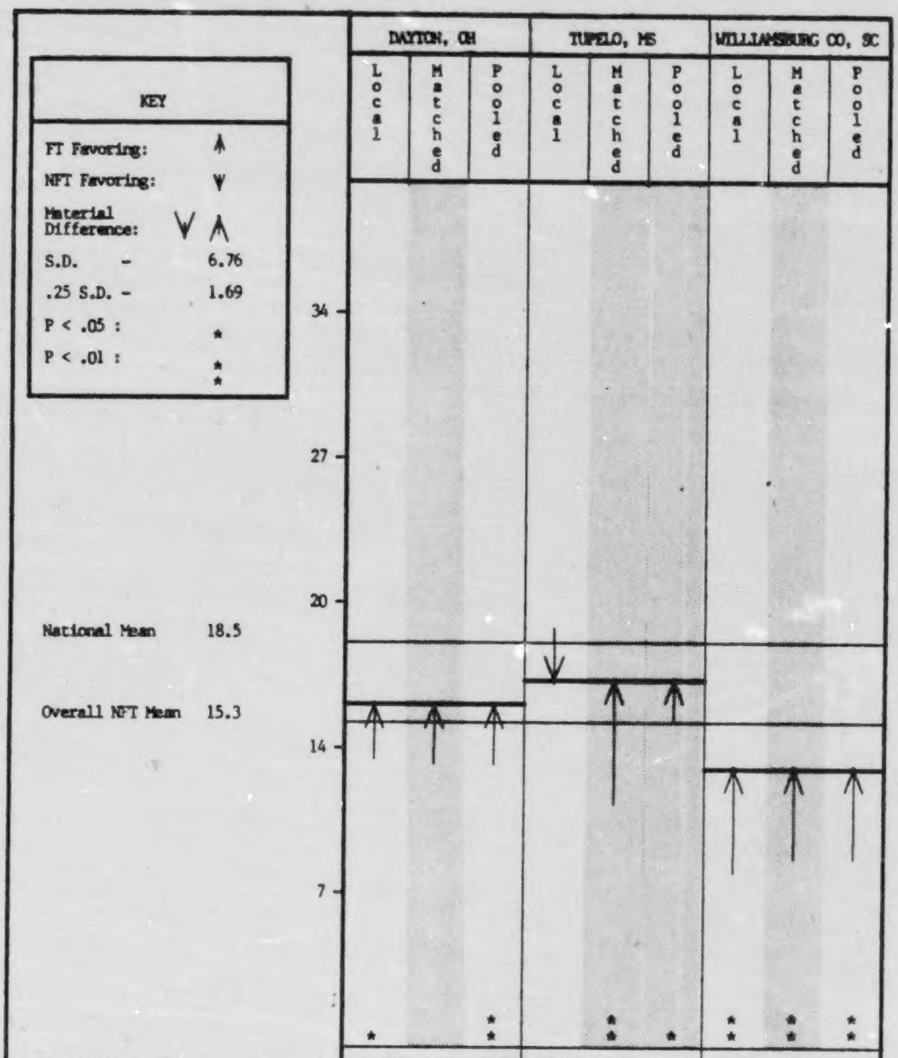
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS CONCEPTS FOR COHORT III ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL



| | Dayton, OH Local | Dayton, OH Matched | Dayton, OH Pooled | Tupelo, MS Local | Tupelo, MS Matched | Tupelo, MS Pooled | Williamsburg Co, SC Local | Williamsburg Co, SC Matched | Williamsburg Co, SC Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 3.31 | 3.92 | 3.65 | -3.53 | 7.10 | 0.49 | 9.03 | 8.65 | 8.83 |
| Standard Error | 1.19 | 1.92 | 0.62 | 2.48 | 2.10 | 0.70 | 1.96 | 1.45 | 0.62 |
| FT Mean | 19.78 | | | 19.25 | | | 16.33 | | |
| No. of FT Children | 131 | | | 61 | | | 73 | | |
| Matched NFT Site | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

## Table C5-IIIEF-14

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM SOLVING FOR COHORT III ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL



| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 2.56 | 2.84 | 2.85 | -2.54 | 5.73 | 1.80 | 5.00 | 4.30 | 4.25 |
| Standard Error | 1.09 | 1.60 | 0.57 | 2.28 | 2.13 | 0.87 | 1.80 | 1.23 | 0.55 |
| FT Mean | 15.77 | | | 16.80 | | | 12.77 | | |
| No. of FT Children | 131 | | | 61 | | | 73 | | |
| Matched NFT Site | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

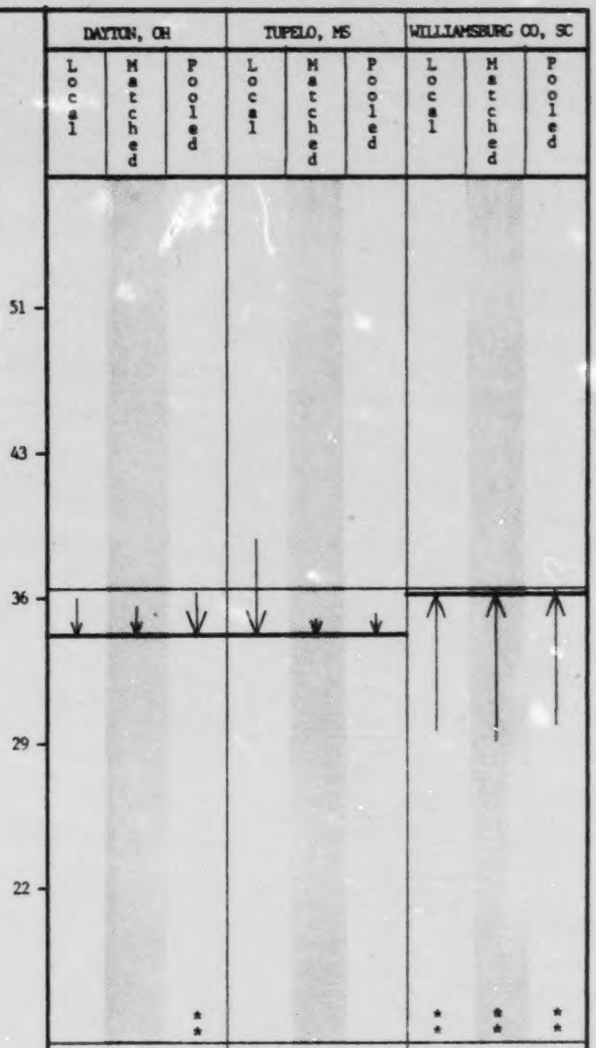
### Table C5-IIIEF-15

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT III ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL

KEY

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. - | 7.22 |
| .25 S.D. - | 1.80 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 37.0



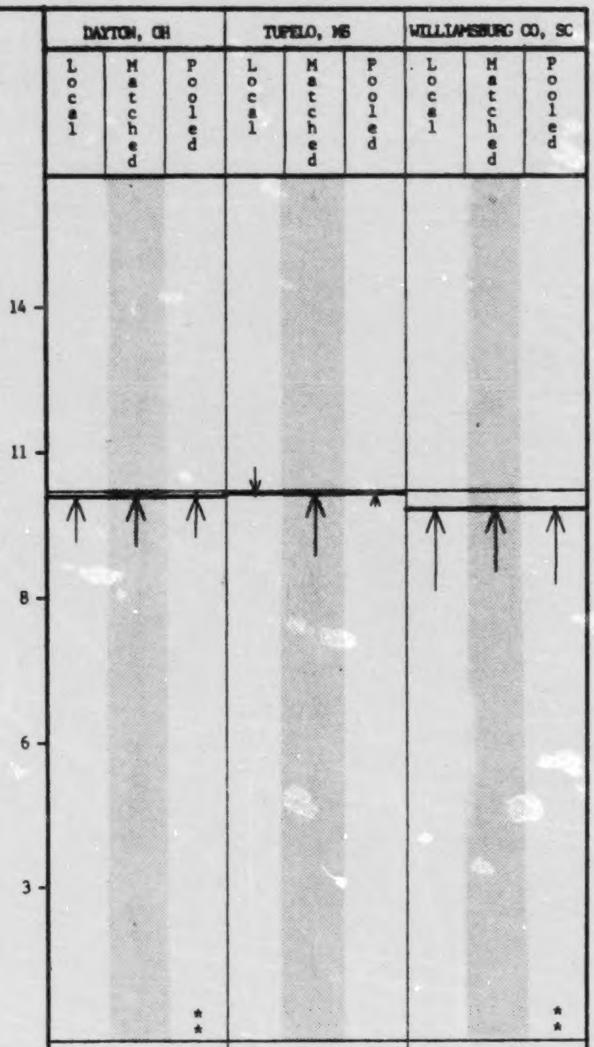
| | DAYTON, OH Local | DAYTON, OH Matched | DAYTON, OH Pooled | TUPELO, MS Local | TUPELO, MS Matched | TUPELO, MS Pooled | WILLIAMSBURG CO, SC Local | WILLIAMSBURG CO, SC Matched | WILLIAMSBURG CO, SC Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -1.80 | -1.40 | -2.13 | -4.71 | -0.44 | -0.97 | 6.76 | 7.31 | 6.57 |
| Standard Error | 1.35 | 2.04 | 0.66 | 2.83 | 2.48 | 0.96 | 2.23 | 1.67 | 0.68 |
| FT Mean | 34.47 | | | 34.47 | | | 36.40 | | |
| No. of FT Children | 131 | | | 61 | | | 73 | | |
| Matched NFT Site | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

## Table C5-IIIEF-16

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT III ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 2.80 |
| .25 S.D. - | .70 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 10.5



| | DAYTON, OH Local | DAYTON, OH Matched | DAYTON, OH Pooled | TUPELO, MS Local | TUPELO, MS Matched | TUPELO, MS Pooled | WILLIAMSBURG CO, SC Local | WILLIAMSBURG CO, SC Matched | WILLIAMSBURG CO, SC Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 0.88 | 0.94 | 0.79 | -0.55 | 1.20 | 0.05 | 1.56 | 1.19 | 1.47 |
| Standard Error | 0.49 | 0.75 | 0.25 | 1.02 | 0.90 | 0.35 | 0.81 | 0.64 | 0.28 |
| FT Mean | 10.39 | | | 10.43 | | | 10.15 | | |
| No. of FT Children | 131 | | | 61 | | | 73 | | |
| Matched NFT Site | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

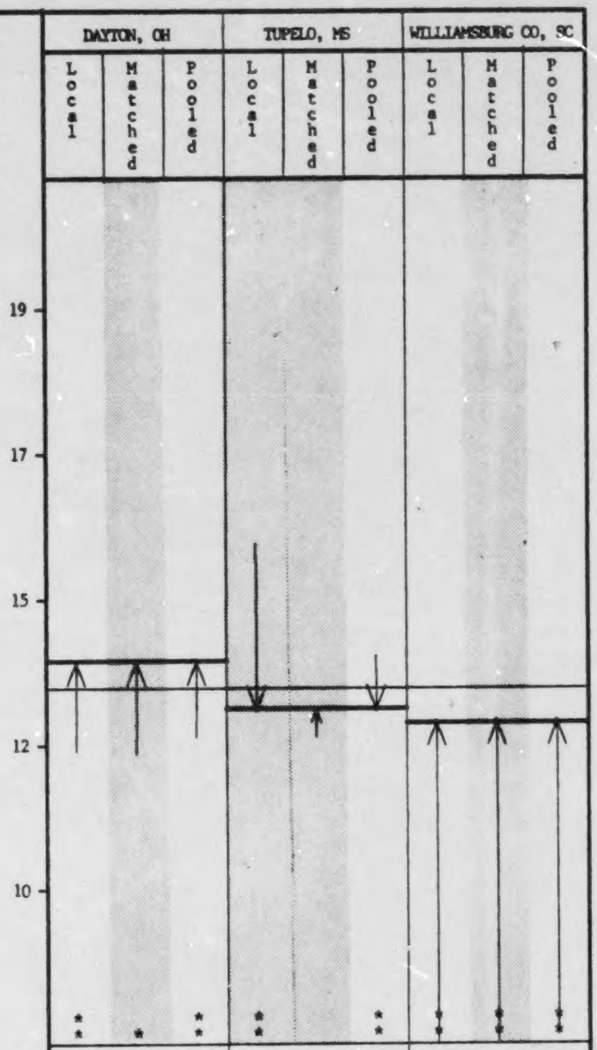
**COHORT III-EF STUDY**
**Non-Preschool Adjusted**

Table C5-IIIEF-17

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE FOR COHORT III ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL

KEY

FT Favoring: ∧
NFT Favoring: ∨
Material Difference: ∨ ∧
S.D. - 2.43
.25 S.D. - .61
P < .05 : *
P < .01 : **



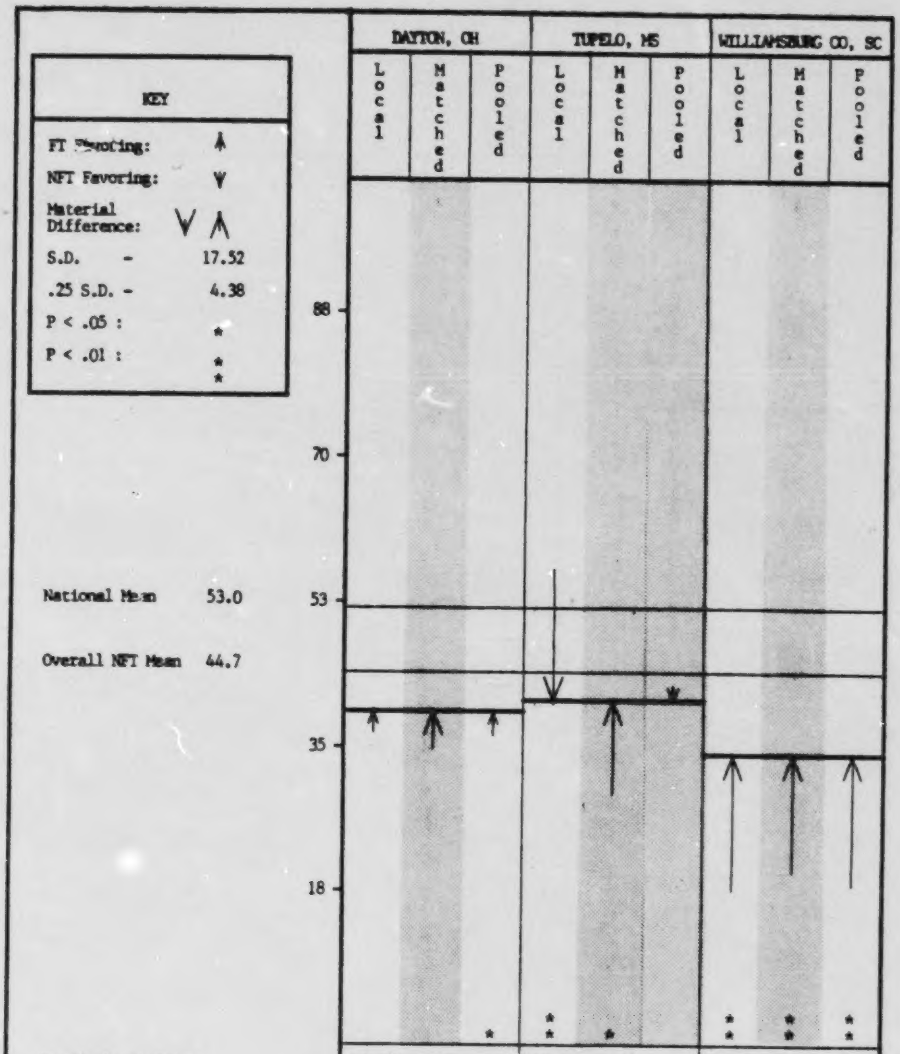
Overall NFT Mean 13.1

| | Dayton, OH | | | Tupelo, MS | | | Williamsburg Co, SC | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 1.46 | 1.53 | 1.27 | -2.78 | 0.44 | -0.89 | 5.36 | 5.34 | 5.23 |
| Standard Error | 0.45 | 0.64 | 0.19 | 0.93 | 0.89 | 0.31 | 0.74 | 0.80 | 0.33 |
| FT Mean | 13.60 | | | 12.79 | | | 12.56 | | |
| No. of FT Children | 131 | | | 61 | | | 73 | | |
| Matched NFT Site | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

725

Table C5-IIIEF-18

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL READING FOR COHORT III ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL

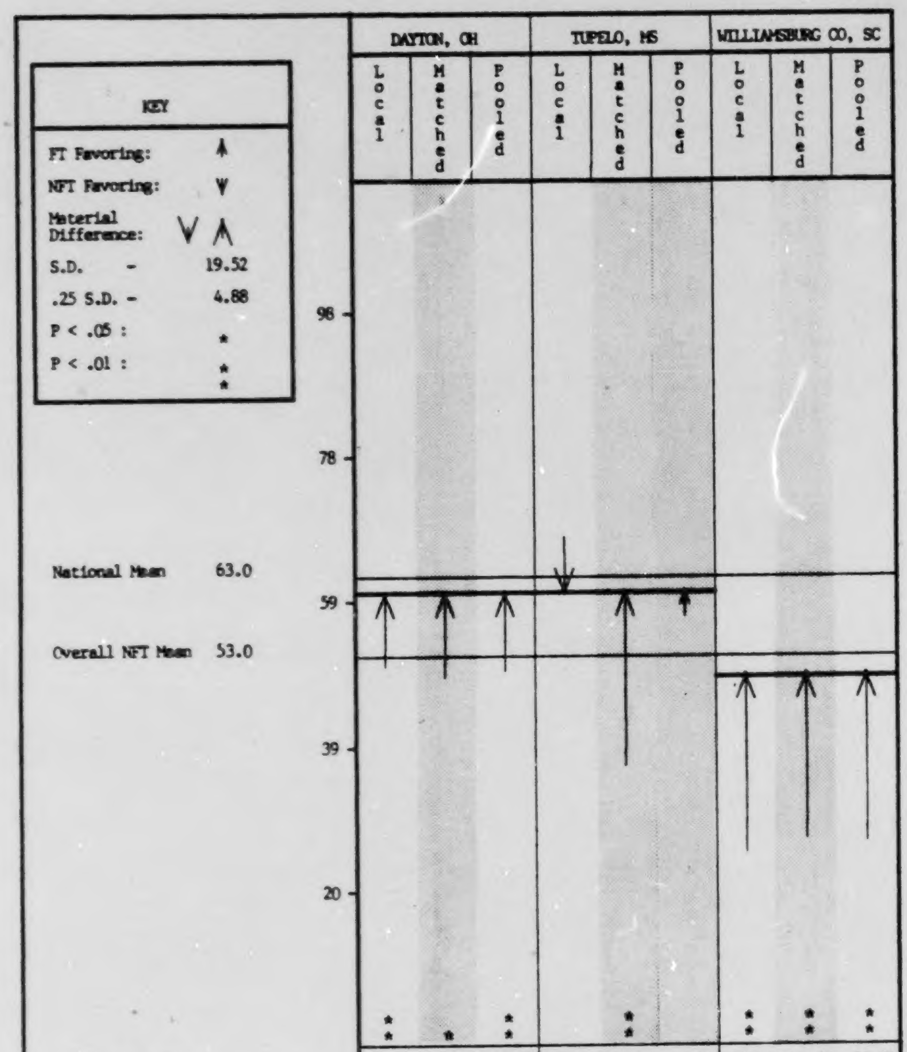


| | Dayton, OH Local | Dayton, OH Matched | Dayton, OH Pooled | Tupelo, MS Local | Tupelo, MS Matched | Tupelo, MS Pooled | Williamsburg Co, SC Local | Williamsburg Co, SC Matched | Williamsburg Co, SC Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 2.48 | 4.39 | 2.84 | -15.98 | 11.28 | -0.24 | 16.82 | 14.31 | 15.90 |
| Standard Error | 2.64 | 4.20 | 1.28 | 5.52 | 5.32 | 1.49 | 4.36 | 2.57 | 1.09 |
| FT Mean | 39.75 | | | 41.03 | | | 34.70 | | |
| No. of FT Children | 131 | | | 61 | | | 73 | | |
| Matched NFT Site | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

]

## Table C5-IIIEF-19

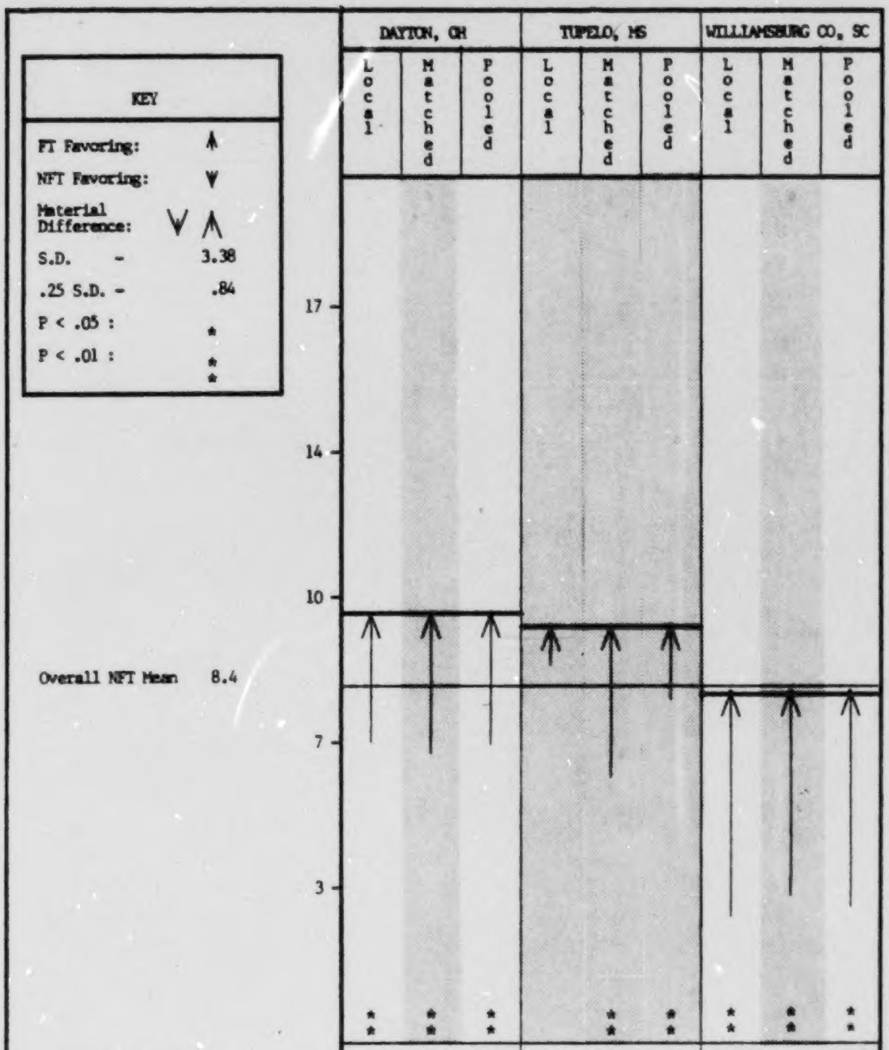
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL MATH FOR COHORT III ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL



| | Dayton, OH Local | Dayton, OH Matched | Dayton, OH Pooled | Tupelo, MS Local | Tupelo, MS Matched | Tupelo, MS Pooled | Williamsburg Co, SC Local | Williamsburg Co, SC Matched | Williamsburg Co, SC Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 9.70 | 10.96 | 10.30 | -7.70 | 22.96 | 3.14 | 23.77 | 21.89 | 22.11 |
| Standard Error | 3.19 | 5.01 | 1.70 | 6.68 | 5.76 | 2.22 | 5.28 | 3.70 | 1.60 |
| FT Mean | 60.08 | | | 60.08 | | | 48.81 | | |
| No. of FT Children | 131 | | | 61 | | | 73 | | |
| Matched NFT Site | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

Table C5-IIIEF-20

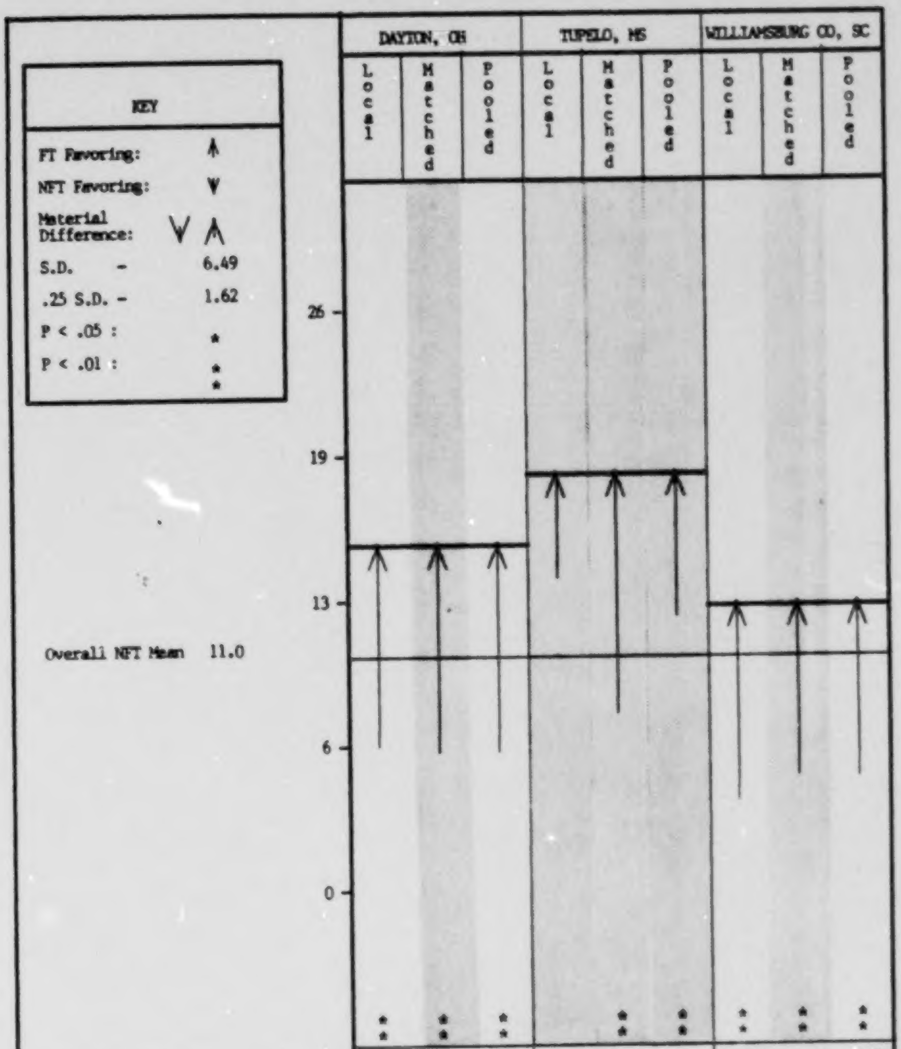
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT III ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL



| | Dayton, OH Local | Dayton, OH Matched | Dayton, OH Pooled | Tupelo, MS Local | Tupelo, MS Matched | Tupelo, MS Pooled | Williamsburg Co, SC Local | Williamsburg Co, SC Matched | Williamsburg Co, SC Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 3.00 | 3.26 | 3.10 | 0.86 | 3.50 | 1.68 | 5.19 | 4.71 | 5.00 |
| Standard Error | 0.57 | 0.84 | 0.28 | 1.19 | 1.08 | 0.36 | 0.94 | 0.90 | 0.37 |
| FT Mean | 9.88 | | | 9.54 | | | 7.99 | | |
| No. of FT Children | 131 | | | 61 | | | 73 | | |
| Matched NFT Site | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

Table C5-IIIEF-21

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT III ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL



| | Dayton, OH Local | Dayton, OH Matched | Dayton, OH Pooled | Tupelo, MS Local | Tupelo, MS Matched | Tupelo, MS Pooled | Williamsburg Co, SC Local | Williamsburg Co, SC Matched | Williamsburg Co, SC Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 9.00 | 9.33 | 9.25 | 4.46 | 10.66 | 6.31 | 8.76 | 7.66 | 7.80 |
| Standard Error | 1.27 | 1.93 | 0.75 | 2.66 | 2.22 | 0.95 | 2.11 | 1.54 | 0.68 |
| FT Mean | 15.73 | | | 18.75 | | | 12.94 | | |
| No. of FT Children | 131 | | | 61 | | | 73 | | |
| Matched NFT Site | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

## Table C5-IIIEF-22

## STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL

| | | SPONSOR'S SITES | | | DAYTON, OH | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAT NORM POPULATION | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | |
| Third Grade Median | 61 | 53.1 | 54.1 | — | 53.3 | 54.8 | — | 53.8 | 66.6 | 51.8 | 52.2 | 41.0 | — |
| Median Percentile | 50 | 24.0 | 28.0 | 14.0 | 24.0 | 30.0 | 30.0 | 28.0 | 66.0 | 22.0 | 22.0 | 5.0 | 5.0 |
| Grade Equivalent | 3.5 | 2.7 | 2.8 | 2.4 | 2.7 | 2.9 | 2.9 | 2.8 | 4.2 | 2.6 | 2.6 | 1.9 | 1.9 |
| 1 Year or More Below Grade Level | 20 | 43.0 | 43.6 | — | 42.8 | 40.7 | — | 41.0 | 6.9 | 49.0 | 45.2 | 83.3 | — |
| TOTAL MATHEMATICS | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 67.4 | 65.2 | — | 69.0 | 68.1 | — | 69.6 | 77.1 | 60.1 | 63.6 | 50.5 | — |
| Median Percentile | 50 | 38.0 | 32.0 | 18.0 | 44.0 | 40.0 | 40.0 | 48.0 | 70.0 | 18.0 | 28.0 | 6.0 | 6.0 |
| Grade Equivalent | 3.75 | 3.5 | 3.3 | 3.0 | 3.6 | 3.5 | 3.5 | 3.7 | 4.4 | 3.0 | 3.2 | 2.3 | 2.3 |
| 1 Year or More Below Grade Level | 12 | 21.8 | 36.3 | — | 13.0 | 27.1 | — | 19.7 | 4.1 | 40.6 | 32.9 | 77.8 | — |
| SPELLING | | | | | | | | | | | | | |
| Third Grade Median | 64 | 57.7 | 57.4 | — | 56.6 | 66.3 | — | 57.3 | 66.3 | 55.6 | 59.3 | 39.8 | — |
| Median Percentile | 50 | 32.0 | 30.0 | 22.0 | 30.0 | 58.0 | 58.0 | 30.0 | 58.0 | 26.0 | 36.0 | 4.0 | 4.0 |
| Grade Equivalent | 3.6 | 2.9 | 2.9 | 2.6 | 2.9 | 3.9 | 3.9 | 2.9 | 3.9 | 2.8 | 3.0 | 1.6 | 1.6 |
| 1 Year or More Below Grade Level | 22 | 40.4 | 42.2 | — | 45.0 | 25.4 | — | 37.7 | 12.3 | 47.6 | 38.4 | 88.9 | — |
| LANGUAGE | | | | | | | | | | | | | |
| Third Grade Median | 70 | 67.8 | 59.9 | — | 68.6 | 56.9 | — | 72.0 | 72.6 | 55.6 | 62.8 | 50.2 | — |
| Median Percentile | 50 | 44.0 | 26.0 | 12.0 | 48.0 | 20.0 | 20.0 | 56.0 | 58.0 | 18.0 | 32.0 | 8.0 | 8.0 |
| Grade Equivalent | 4.0 | 3.7 | 3.0 | 2.4 | 3.9 | 2.7 | 2.7 | 4.3 | 4.5 | 2.6 | 3.2 | 2.1 | 2.1 |
| 1 Year or More Below Grade Level | 14 | 32.3 | 55.2 | — | 29.8 | 64.4 | — | 24.6 | 12.3 | 69.2 | 42.5 | 88.9 | — |
| BEST MATCHED SITE | | | | | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

Table C5-IIIEF-23

MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES
USED IN THE ANALYTIC SAMPLE OF THE
COHORT III ENTERING FIRST SITES
IN THE DIRECT INSTRUCTION MODEL

| | SPONSOR'S SITES | | | DAYTON, OH | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | | | | | | | |
| Mean | 38.8 | 46.9 | — | 41.6 | 47.4 | — | 40.2 | 50.3 | 46.9 | 34.7 | 43.1 | — |
| Standard Deviation | — | — | — | 11.4 | 10.1 | — | 14.8 | 11.9 | 12.4 | 11.8 | 8.0 | — |
| HIGHEST OCCUPATION IN HOUSE | | | | | | | | | | | | |
| Mean | 13.2 | 14.2 | — | 13.6 | 13.2 | — | 13.1 | 15.8 | 12.7 | 13.0 | 13.5 | — |
| Standard Deviation | — | — | — | 1.8 | 1.5 | — | 1.7 | 2.1 | 1.3 | 2.1 | 2.7 | — |
| FAMILY INCOME IN DOLLARS | | | | | | | | | | | | |
| Mean | 3404 | 5405 | — | 3810 | 5641 | — | 3517 | 8241 | 3307 | 2884 | 2333 | — |
| Standard Deviation | — | — | — | 2679 | 3315 | — | 2261 | 2535 | 2646 | 1925 | 883 | — |
| MISSING INCOME INFORMATION | | | | | | | | | | | | |
| No. Missing | — | — | — | 92 | 32 | — | 8 | 11 | 115 | 0 | 0 | — |
| Valid Cases | — | — | — | 39 | 27 | — | 53 | 62 | 28 | 73 | 18 | — |
| ETHNIC MEMBERSHIP/RACE | | | | | | | | | | | | |
| Percent White | 5 | 32 | — | 0 | 0 | — | 15 | 97 | 39 | 1 | 0 | — |
| Percent Black | 95 | 68 | — | 100 | 100 | — | 85 | 3 | 45 | 99 | 100 | — |
| SEX Percent Female | 50 | 53 | — | 51 | 42 | — | 44 | 49 | 53 | 53 | 67 | — |
| ENTRY AGE IN MONTHS | | | | | | | | | | | | |
| Mean | 64.7 | 65.5 | — | 65.7 | 67.4 | — | 63.7 | 63.7 | 68.9 | 64.6 | 65.4 | — |
| Standard Deviation | — | — | — | 4.7 | 4.1 | — | 6.1 | 4.8 | 5.1 | 4.2 | 10.1 | — |
| FIRST LANGUAGE | | | | | | | | | | | | |
| Percent English | 100 | 100 | — | 100 | 100 | — | 100 | 100 | 94 | 100 | 100 | — |
| BEST MATCHED SITE | | | | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

Table C5-IIIEF-24

MEANS AND STANDARD DEVIATIONS
FOR THE OUTCOME MEASURES
COHORT III ENTERING FIRST SITES
IN THE DIRECT INSTRUCTION MODEL

| | ALL SITES | | SPONSOR'S SITES | | | DAYTON, OH | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | | |
| Mean | 37.22 | 44.67 | 38.49 | 41.94 | — | 39.75 | 40.24 | — | 41.03 | 62.26 | 38.71 | 34.70 | 23.33 | — |
| Standard Deviation | | | — | — | — | 16.74 | 18.28 | — | 14.93 | 16.14 | 20.34 | 10.34 | 6.79 | — |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | |
| Mean | 50.31 | 53.89 | 56.32 | 54.17 | — | 60.08 | 54.56 | — | 60.08 | 75.63 | 45.64 | 48.81 | 32.33 | — |
| Standard Deviation | | | — | — | — | 20.10 | 20.36 | — | 21.14 | 17.48 | 18.75 | 17.03 | 10.30 | — |
| LANGUAGE | | | | | | | | | | | | | | |
| Mean | 18.99 | 19.06 | 24.95 | 18.15 | — | 25.61 | 15.47 | — | 28.30 | 28.75 | 15.93 | 20.93 | 10.22 | — |
| Standard Deviation | | | — | — | — | 10.79 | 7.36 | — | 11.13 | 8.87 | 8.65 | 8.34 | 4.32 | — |
| SPELLING | | | | | | | | | | | | | | |
| Mean | 14.99 | 18.88 | 15.89 | 17.05 | — | 14.82 | 21.97 | — | 17.10 | 25.25 | 15.90 | 15.74 | 3.94 | — |
| Standard Deviation | | | — | — | — | 12.02 | 12.67 | — | 12.44 | 10.25 | 13.59 | 11.38 | 5.81 | — |
| RAVEN'S PROGRESSIVE MAT. | | | | | | | | | | | | | | |
| Mean | 17.72 | 19.03 | 15.81 | 18.21 | — | 16.60 | 18.08 | — | 15.92 | 21.59 | 18.42 | 14.93 | 14.94 | — |
| Standard Deviation | | | — | — | — | 4.27 | 4.77 | — | 5.06 | 3.65 | 4.90 | 3.47 | 4.56 | — |
| COOPERSMITH'S SELF-EST. | | | | | | | | | | | | | | |
| Mean | 35.42 | 36.73 | 35.11 | 35.13 | — | 34.47 | 36.90 | — | 34.48 | 37.44 | 37.23 | 36.40 | 31.06 | — |
| Standard Deviation | | | — | — | — | 7.47 | 6.77 | — | 6.65 | 7.59 | 7.09 | 6.43 | 6.16 | — |
| IARS-LOCUS NEGATIVE | | | | | | | | | | | | | | |
| Mean | 9.79 | 10.42 | 10.32 | 9.96 | — | 10.39 | 9.73 | — | 10.43 | 11.26 | 10.15 | 10.15 | 8.89 | — |
| Standard Deviation | | | — | — | — | 2.72 | 2.29 | — | 2.12 | 2.57 | 2.69 | 2.44 | 1.97 | — |
| IARS-LOCUS POSITIVE | | | | | | | | | | | | | | |
| Mean | 12.87 | 12.69 | 12.98 | 11.53 | — | 13.60 | 12.49 | — | 12.79 | 14.32 | 13.10 | 12.56 | 7.78 | — |
| Standard Deviation | | | — | — | — | 2.17 | 2.64 | — | 2.48 | 1.61 | 2.53 | 3.02 | 2.32 | — |
| WORD KNOWLEDGE | | | | | | | | | | | | | | |
| Mean | 20.79 | 25.29 | 21.42 | 23.59 | — | 21.87 | 22.93 | — | 22.21 | 34.84 | 21.52 | 20.16 | 13.00 | — |
| Standard Deviation | | | — | — | — | 10.43 | 11.92 | — | 8.70 | 9.09 | 12.27 | 7.03 | 5.47 | — |
| READING | | | | | | | | | | | | | | |
| Mean | 16.44 | 19.38 | 17.08 | 18.35 | — | 17.88 | 17.31 | — | 18.82 | 27.42 | 17.20 | 14.53 | 10.33 | — |
| Standard Deviation | | | — | — | — | 7.11 | 7.06 | — | 6.86 | 7.84 | 8.79 | 4.56 | 3.01 | — |
| MATH COMPUTATIONS | | | | | | | | | | | | | | |
| Mean | 19.70 | 19.93 | 22.76 | 20.74 | — | 24.53 | 21.98 | — | 24.03 | 27.68 | 16.73 | 19.71 | 12.56 | — |
| Standard Deviation | | | — | — | — | 7.88 | 8.39 | — | 8.79 | 5.92 | 6.57 | 6.92 | 5.59 | — |
| MATH CONCEPTS | | | | | | | | | | | | | | |
| Mean | 16.67 | 18.31 | 18.45 | 18.00 | — | 19.78 | 18.05 | — | 19.25 | 26.16 | 15.81 | 16.33 | 9.78 | — |
| Standard Deviation | | | — | — | — | 7.51 | 7.57 | — | 7.06 | 6.32 | 7.39 | 6.28 | 3.19 | — |
| MATH PROBLEM SOLVING | | | | | | | | | | | | | | |
| Mean | 13.94 | 15.66 | 15.11 | 15.44 | — | 15.77 | 14.53 | — | 16.80 | 21.78 | 13.10 | 12.77 | 10.00 | — |
| Standard Deviation | | | — | — | — | 6.42 | 5.80 | — | 6.92 | 6.93 | 6.52 | 5.70 | 3.60 | — |
| LANGUAGE PART A | | | | | | | | | | | | | | |
| Mean | 7.92 | 8.27 | 9.14 | 7.34 | — | 9.88 | 7.36 | — | 9.54 | 10.89 | 7.20 | 7.99 | 3.78 | — |
| Standard Deviation | | | — | — | — | 3.37 | 3.13 | — | 3.35 | 2.60 | 3.56 | 3.40 | 3.02 | — |
| LANGUAGE PART B | | | | | | | | | | | | | | |
| Mean | 11.07 | 10.79 | 15.81 | 10.81 | — | 15.73 | 8.12 | — | 18.75 | 17.86 | 8.73 | 12.95 | 6.44 | — |
| Standard Deviation | | | — | — | — | 8.38 | 5.14 | — | 8.49 | 7.27 | 6.02 | 6.33 | 2.28 | — |
| BEST MATCH SITE | | | | | | Dayton, OH | | | Ft. Worth, TX | | | Williamsburg Co, SC | | |

## Table C5-IIIEF-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-EF LOCAL ANALYSES FOR THE DIRECT INSTRUCTION MODEL

### CODE

FEW = Fall Entering WRAT
NOFEW = Missing WRAT
NOINC = Missing Income
SEX = Sex
OCCUP = Occupation
ENTAGE = Entry Age
INCOME = Income
ETH2 = White vs. Other
NOOCCUP = Missing Occupation

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .64878146 | .72311528E-01 |
| NOFEW | -2.7383844 | 8.1592179 |
| NOINC | -1.7016769 | 4.5387957 |
| SEX | 1.2221417 | 1.6773515 |
| OCCUP | .15779849 | .39832466 |
| ENTAGE | -.41911866 | .16717083 |
| INCOME | .86055685E-04 | .31419039E-03 |
| ETH2 | -2.5854753 | 5.5259228 |
| NOOCCUP | 1.6330931 | 4.7360020 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .77229176 | .87510588E-01 |
| NOFEW | -5.9144839 | 9.8741926 |
| NOINC | -3.5494252 | 5.4927999 |
| SEX | 4.6461557 | 2.0299117 |
| OCCUP | .33628938 | .48294797 |
| ENTAGE | -.17487385 | .20230823 |
| INCOME | .35881217E-03 | .36812775E-03 |
| ETH2 | -3.3564267 | 6.6874089 |
| NOOCCUP | 2.5416549 | 5.6951500 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .44779432 | .53026108E-01 |
| NOFEW | -5.0791699 | 6.0847125 |
| NOINC | -2.3240548 | 3.3847934 |
| SEX | 3.6135155 | 1.2508799 |
| OCCUP | .10169357 | .29704943 |
| ENTAGE | -.36271838 | .12466715 |
| INCOME | .49549629E-04 | .22684908E-03 |
| ETH2 | -3.8148009 | 4.1209416 |
| NOOCCUP | 2.0459691 | 3.5094870 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .38374619 | .44144365E-01 |
| NOFEW | -5.6632134 | 4.9809968 |
| NOINC | .47330694 | 2.7708203 |
| SEX | 2.2882601 | 1.0239808 |
| OCCUP | .41886746E-01 | .24316716 |
| ENTAGE | -.16110651 | .10205353 |
| INCOME | .13312768E-03 | .18570056E-03 |
| ETH2 | .99993346 | 3.3734366 |
| NOOCCUP | -1.4629756 | 2.8728956 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .14274411 | .21101249E-01 |
| NOFEW | 1.4323272 | 2.3009438 |
| NOINC | .59967439 | 1.3244673 |
| SEX | -.83549461 | .48946845 |
| OCCUP | .12831147 | .11623524 |
| ENTAGE | -.14865709E-01 | .48762170E-01 |
| INCOME | .60588807E-04 | .88765891E-04 |
| ETH2 | 1.0768178 | 1.6125212 |
| NOOCCUP | -.18272578 | 1.3732509 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .14603227 | .37044065E-01 |
| NOFEW | 2.0445753 | 4.1799413 |
| NOINC | -.94221527 | 2.3252115 |
| SEX | .92675167 | .85930183 |
| OCCUP | .53695280E-02 | .20406045 |
| ENTAGE | -.59113527E-01 | .85641082E-01 |
| INCOME | .12964043E-03 | .15583577E-03 |
| ETH2 | -4.3933134 | 2.8309126 |
| NOOCCUP | 2.0641181 | 2.4108698 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .59813269E-01 | .12251010E-01 |
| NOFEW | 1.6591429 | 1.3823337 |
| NOINC | -.27350197E-01 | .76896220 |
| SEX | .24607693 | .28417668 |
| OCCUP | .37930610E-01 | .67404114E-01 |
| ENTAGE | .26619988E-02 | .28322061E-01 |
| INCOME | .53858262E-05 | .51535898E-04 |
| ETH2 | -2.3097099 | .93420115 |
| NOOCCUP | -.10303462 | .79729027 |

## Table C5-IIIEF-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .36340567E-01 | .13353253E-01 |
| NOFEW | -.17858479 | 1.5067044 |
| NOINC | -.77819644E-01 | .83814693 |
| SEX | -.16047892 | .30974451 |
| OCCUP | .15177892E-01 | .73555766E-01 |
| ENTAGE | -.14914765E-02 | .30870741E-01 |
| INCOME | .19172598E-04 | .56172664E-04 |
| ETH2 | -.23130569 | 1.0204326 |
| NOOCCUP | .18357959 | .86902373 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .38293686 | .45418722E-01 |
| NOFEW | -1.3465132 | 5.1247880 |
| NOINC | -1.6573954 | 2.8508082 |
| SEX | .83881775 | 1.0535410 |
| OCCUP | .74936732E-01 | .25018690 |
| ENTAGE | -.24686516 | .10499965 |
| INCOME | .56765322E-04 | .19106136E-03 |
| ETH2 | -1.3455199 | 3.4708257 |
| NOOCCUP | 1.7745595 | 2.9558362 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .26584460 | .32238772E-01 |
| NOFEW | -1.3978712 | 3.6376380 |
| NOINC | -.44281509E-01 | 2.0235390 |
| SEX | .38332396 | .74781649 |
| OCCUP | .82861761E-01 | .17758576 |
| ENTAGE | -.17255350 | .74530056E-01 |
| INCOME | .29241363E-04 | .13561772E-03 |
| ETH2 | -1.5399554 | 2.4636316 |
| NOOCCUP | -.14146638 | 2.0980849 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .28443527 | .32514452E-01 |
| NOFEW | -2.4090669 | 3.6687442 |
| NOINC | -1.1355692 | 2.0408427 |
| SEX | .91227799 | .75421121 |
| OCCUP | .87046762E-01 | .17910433 |
| ENTAGE | -.66946754E-01 | .75167377E-01 |
| INCOME | .76789701E-04 | .13677741E-03 |
| ETH2 | -.15032367 | 2.4846986 |
| NOOCCUP | .35737943 | 2.1160260 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .26554231 | .35956652E-01 |
| NOFEW | -4.0620502 | 4.0571423 |
| NOINC | -.36056288 | 2.2569001 |
| SEX | 2.4072078 | .83405711 |
| OCCUP | .19544945 | .19866553 |
| ENTAGE | -.49370366E-01 | .83125104E-01 |
| INCOME | .12994987E-03 | .15125760E-03 |
| ETH2 | -2.3895915 | 2.7477456 |
| NOOCCUP | .13354586 | 2.3400429 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .24226268 | .29848560E-01 |
| NOFEW | .53663318 | 3.3679402 |
| NOINC | -2.0592931 | 1.8735120 |
| SEX | 1.3266099 | .69237248 |
| OCCUP | .53793161E-01 | .16441939 |
| ENTAGE | -.58616726E-01 | .69004329E-01 |
| INCOME | .15247260E-03 | .12556290E-03 |
| ETH2 | -.81651158 | 2.2809757 |
| NOOCCUP | 2.0540297 | 1.9425309 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .11051697 | .15587497E-01 |
| NOFEW | -1.9285477 | 1.7588037 |
| NOINC | -.51227126 | .97838458 |
| SEX | .88806162 | .36157044 |
| OCCUP | -.33767554E-01 | .85852034E-01 |
| ENTAGE | -.54156406E-01 | .36035398E-01 |
| INCOME | .21906742E-04 | .65571390E-04 |
| ETH2 | 1.2054740 | 1.1911697 |
| NOOCCUP | .53152239 | 1.0144273 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .27323122 | .34931493E-01 |
| NOFEW | -3.7346156 | 3.9414692 |
| NOINC | .98587821 | 2.1925537 |
| SEX | 1.3903065 | .81027734 |
| OCCUP | .81654301E-01 | .19241949 |
| ENTAGE | -.12695210 | .80755126E-01 |
| INCOME | .11183094E-03 | .14494510E-03 |
| ETH2 | -.20554653 | 2.6694047 |
| NOOCCUP | -1.9944790 | 2.2733240 |

## Table C5-IIEF-1

## ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT II ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL

| | | E. ST. LOUIS, IL | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| | Number | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 | — |
| BLACK | Percent | 100.0 | 100.0 | — | 94.9 | 0.0 | 82.5 | 94.8 | 99.0 | — |
| | Number | 96 | 45 | — | 56 | 0 | 85 | 91 | 95 | — |
| ORIENTAL | Percent | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| | Number | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 | — |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| | Number | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 | — |
| PUERTO RICAN | Percent | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| | Number | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 | — |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| | Number | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 | — |
| WHITE | Percent | 0.0 | 0.0 | — | 5.1 | 100.0 | 17.5 | 5.2 | 0.0 | — |
| | Number | 0 | 0 | — | 3 | 47 | 18 | 5 | 0 | — |
| OTHER | Percent | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | — |
| | Number | 0 | 0 | — | 0 | 0 | 0 | 0 | 1 | — |
| BEST MATCHED SITE | | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

### Table C5-IIEF-2

### DISTRIBUTION OF BACKGROUND VARIABLES COHORT II ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL

| | SPONSOR'S SITES | | | E. ST. LOUIS, IL | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE | | | | | | | | | | | | |
| Number | — | — | — | 96 | 45 | — | 59 | 47 | 103 | 96 | 96 | — |
| FALL KINDERGARTEN WRAT | | | | | | | | | | | | |
| Mean Score | 32.6 | 38.5 | — | 44.4 | 47.1 | — | 26.2 | 42.3 | 29.4 | 27.3 | 26.0 | — |
| PERCENT WITH PRESCHOOL | 80 | 64 | — | 95 | 31 | — | 80 | 78 | 65 | 65 | 82 | — |
| Number Responding | — | — | — | 85 | 16 | — | 45 | 46 | 77 | 91 | 95 | — |
| CHILDREN'S ETHNICITY | | | | | | | | | | | | |
| Percent Black | 97 | 66 | — | 100 | 100 | — | 95 | 0 | 83 | 95 | 99 | — |
| Percent White | 3 | 33 | — | 0 | 0 | — | 5 | 100 | 17 | 5 | 0 | — |
| Percent Other | 0 | 0 | — | 0 | 0 | — | 0 | 0 | 0 | 0 | 1 | — |
| MEDIAN FAMILY INCOME | 2597 | 5077 | — | 3167 | 4125 | — | 2625 | 9334 | 4334 | 2000 | 1771 | — |
| Number Responding | — | — | — | 39 | 15 | — | 34 | 45 | 59 | 66 | 69 | — |
| MOTHER'S EDUCATION | | | | | | | | | | | | |
| Percent H.S. Graduates | 35 | 52 | — | 53 | 63 | — | 21 | 80 | 18 | 31 | 14 | — |
| Number Responding | — | — | — | 36 | 16 | — | 34 | 45 | 56 | 58 | 59 | — |
| FEMALE HEADS OF HOUSEHOLD | | | | | | | | | | | | |
| Percent | 47 | 30 | — | 67 | 63 | — | 57 | 11 | 41 | 18 | 17 | — |
| BEST MATCHED SITE | | | | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

Table C5-IIEF-3

## TEACHER BACKGROUND CHARACTERISTICS FOR COHORT II-E SITES IN DIRECT INSTRUCTION MODEL

| | E. St. Louis, IL | | Tupelo, MS | | Williamsburg County, SC | |
|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | FT | NFT |
| YEARS OF ELEMENTARY TEACHING EXPERIENCE | | | | | | |
| Mean | 5.33 | 13.75 | 6.00 | 9.25 | 11.16 | 14.70 |
| Standard Deviation | 3.07 | 12.12 | 4.08 | 5.67 | 7.65 | 11.81 |
| N | 6 | 4 | 4 | 4 | 6 | 10 |
| YEARS IN SCHOOL | | | | | | |
| Mean | 4.50 | 11.00 | 2.75 | 7.00 | 5.33 | 9.20 |
| Standard Deviation | 2.88 | 8.24 | 1.50 | 3.74 | 8.68 | 7.25 |
| N | 6 | 4 | 4 | 4 | 6 | 10 |
| YEARS IN MODEL | | | | | | |
| Mean | 2.33 | 1.00 | 3.00 | 0 | 2.16 | 0 |
| Standard Deviation | 0.51 | 0 | 1.41 | 0 | 1.16 | 0 |
| N | 6 | 1 | 5 | 0 | 6 | 0 |
| TEACHER'S EDUCATION | | | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 | 0 | 0 |
| % with B.A. | 0 | 0 | 25.0 | 0 | 0 | 60.0 |
| % Some Graduate | 83.3 | 75.0 | 75.0 | 75.0 | 50.0 | 30.0 |
| % M.A. or More | 16.7 | 25.0 | 0 | 25.0 | 50.0 | 10.0 |
| N | 6 | 4 | 4 | 4 | 6 | 10 |
| TEACHER'S CERTIFICATION | | | | | | |
| % None | 0 | 0 | 0 | 0 | 0 | 0 |
| % Temporary | 50.0 | 50.0 | 0 | 0 | 0 | 10.0 |
| % Renewable/Permanent | 50.0 | 50.0 | 100.0 | 100.0 | 100.0 | 90.0 |
| N | 6 | 2 | 5 | 4 | 6 | 10 |
| TEACHER'S ETHNICITY | | | | | | |
| % White | 16.7 | 0 | 60.0 | 100.0 | 50.0 | 40.0 |
| % Black | 83.3 | 100.0 | 40.0 | 0 | 50.0 | 60.0 |
| % Spanish Surname | 0 | 0 | 0 | 0 | 0 | 0 |
| % Other | 0 | 0 | 0 | 0 | 0 | 0 |
| N | 6 | 4 | 5 | 4 | 6 | 10 |
| AGE IN YEARS | | | | | | |
| Mean | 27.83 | 36.33 | 34.80 | 33.0 | 35.66 | 37.60 |
| Standard Deviation | 2.31 | 17.89 | 9.28 | 7.87 | 6.21 | 12.11 |
| N | 6 | 3 | 5 | 4 | 6 | 10 |

### Table C5-IIEF-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1973) FOR THE COHORT II ENTERING FIRST SITES IN THE DIM MODEL

| | SPONSOR'S SITES | | | E. ST. LOUIS, IL | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 59.6 | 50.6 | — | 58.1 | 57.8 | — | 59.0 | 47.3 | 51.5 | 61.6 | 46.7 | — |
| Number | 3 | 3 | — | 6 | 4 | — | 5 | 4 | 14 | 6 | 10 | — |
| Local Mean Difference | 9.0 | — | — | — | — | — | 11.7 | — | — | 14.9 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 7.5 | — | — | 14.9 | — | — |
| FLEXIBLE CLASSROOM | 40.2 | 50.4 | — | 44.6 | 44.9 | — | 39.7 | 46.6 | 45.1 | 36.3 | 59.7 | — |
| Number | 3 | 3 | — | 6 | 4 | — | 5 | 4 | 15 | 6 | 10 | — |
| Local Mean Difference | -10.2 | — | — | — | — | — | -6.9 | — | — | -23.4 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -5.4 | — | — | -23.4 | — | — |
| INDIVIDUALIZATION | 48.6 | 48.9 | — | 52.4 | 44.4 | — | 45.2 | 39.4 | 50.4 | 48.2 | 62.9 | — |
| Number | 3 | 3 | — | 6 | 4 | — | 5 | 4 | 18 | 6 | 10 | — |
| Local Mean Difference | — | — | — | 8.0 | — | — | 5.8 | — | — | -14.7 | — | — |
| Best Match Mean Difference | — | — | — | 8.0 | — | — | -5.2 | — | — | -14.7 | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 59.4 | 47.3 | — | 59.8 | 44.5 | — | 54.8 | 41.8 | 52.5 | 63.6 | 55.6 | — |
| Number | 3 | 3 | — | 6 | 3 | — | 4 | 4 | 18 | 6 | 9 | — |
| Local Mean Difference | 12.1 | — | — | 15.4 | — | — | 13.0 | — | — | 8.0 | — | — |
| Best Match Mean Difference | — | — | — | 15.4 | — | — | — | — | — | 8.0 | — | — |
| SATISFACTION WITH SPONSOR | 54.8 | 43.7 | — | 50.5 | 49.3 | — | 58.1 | 38.2 | 46.7 | 55.7 | 43.7 | — |
| Number | 3 | 3 | — | 6 | 2 | — | 5 | 4 | 11 | 6 | 3 | — |
| Local Mean Difference | 11.1 | — | — | — | — | — | 19.9 | — | — | 12.1 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 11.4 | — | — | 12.1 | — | — |
| BEST MATCHED SITE | | | | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

**COHORT II-EF STUDY**
**Non-Preschool Adjusted**

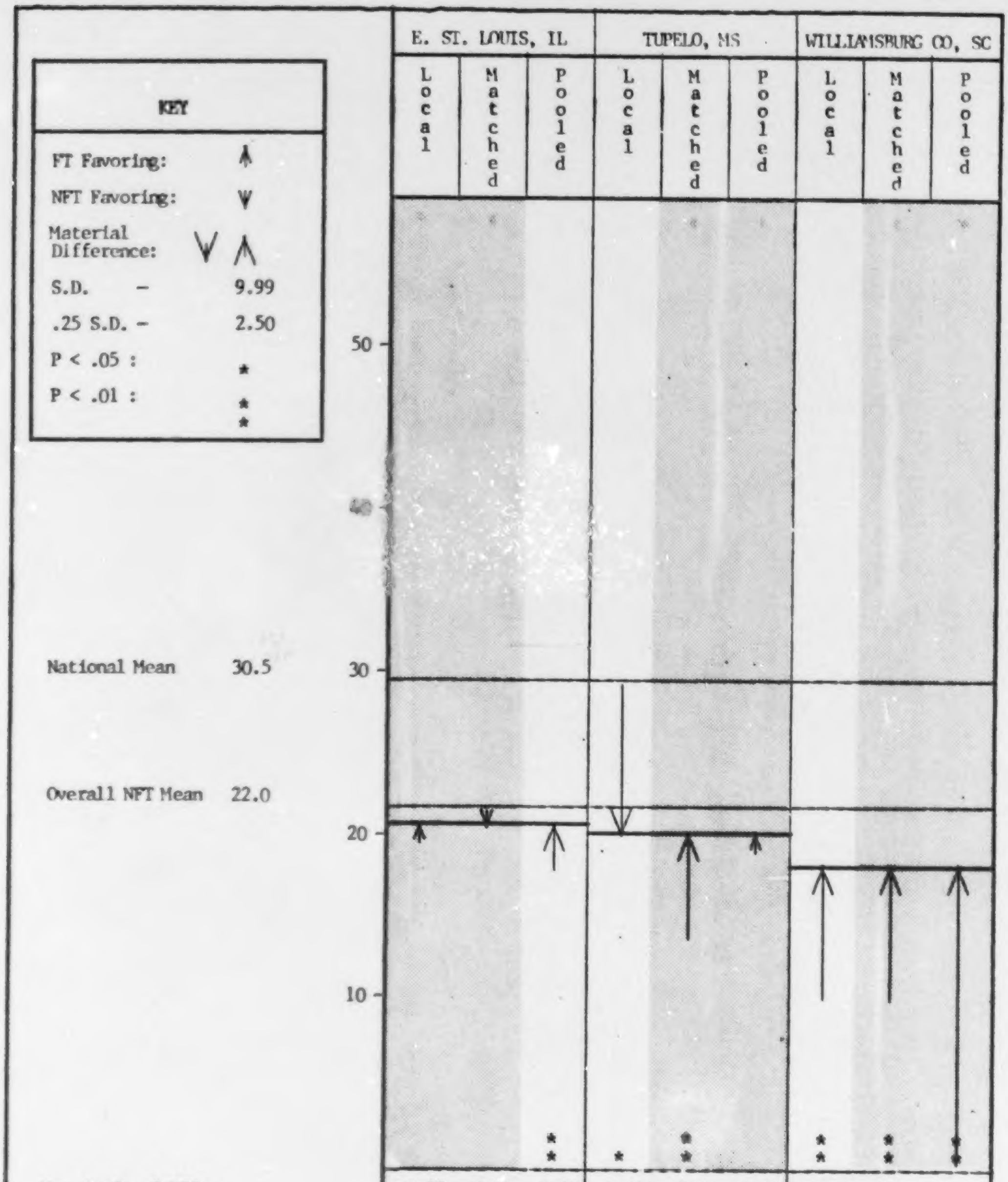
## Table C5-IIEF-5

### STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1973)
### FOR THE COHORT II ENTERING FIRST SITES
### IN THE DIM MODEL

| | SPONSOR'S SITES | | | E. ST. LOUIS, IL. | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 46.2 | 47.4 | — | 51.2 | 50.6 | — | 42.2 | 48.4 | 51.0 | 45.2 | 43.3 | — |
| Number | 3 | 3 | — | 37 | 14 | — | 37 | 45 | 54 | 67 | 69 | — |
| Local Mean Difference | — | — | — | — | — | — | -6.2 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -8.8 | — | — | — | — | — |
| SCHOOL HELPED CHILD | 51.0 | 47.3 | — | 51.7 | 46.1 | — | 48.5 | 50.1 | 44.9 | 52.9 | 45.8 | — |
| Number | 3 | 3 | — | 37 | 14 | — | 37 | 45 | 54 | 67 | 69 | — |
| Local Mean Difference | 3.7 | — | — | 5.6 | — | — | — | — | — | 7.1 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 3.6 | — | — | — | — | — |
| PAC INVOLVEMENT | 51.7 | 45.1 | — | 51.7 | 45.3 | — | 54.0 | 45.8 | 49.1 | 49.5 | 44.2 | — |
| Number | 3 | 3 | — | 35 | 14 | — | 33 | 39 | 51 | 65 | 62 | — |
| Local Mean Difference | 6.6 | — | — | 6.4 | — | — | 8.3 | — | — | 5.2 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 4.9 | — | — | — | — | — |
| CHILD READS AT HOME | 51.4 | 48.3 | — | 54.6 | 50.4 | — | 47.2 | 47.8 | 50.9 | 52.5 | 46.7 | — |
| Number | 3 | 3 | — | 37 | 14 | — | 37 | 45 | 54 | 67 | 69 | — |
| Local Mean Difference | 3.1 | — | — | 4.2 | — | — | — | — | — | 5.7 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -3.7 | — | — | — | — | — |
| CHILD'S PROG IN SCHOOL | 50.1 | 51.1 | — | 53.2 | 49.4 | — | 45.8 | 55.5 | 46.8 | 51.4 | 48.4 | — |
| Number | 3 | 3 | — | 37 | 14 | — | 37 | 45 | 54 | 67 | 69 | — |
| Local Mean Difference | — | — | — | 3.8 | — | — | -9.8 | — | — | 3.0 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| CHILD READ TO AT HOME | 49.6 | 48.7 | — | 50.1 | 47.7 | — | 47.7 | 50.4 | 54.5 | 50.8 | 48.0 | — |
| Number | 3 | 3 | — | 37 | 14 | — | 37 | 45 | 54 | 67 | 69 | — |
| Local Mean Difference | — | — | — | — | — | — | -2.7 | — | — | 2.8 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -6.8 | — | — | — | — | — |
| PARENT VISITS TO SCHOOL | 49.7 | 47.6 | — | 52.9 | 49.7 | — | 47.5 | 46.1 | 51.5 | 48.6 | 47.1 | — |
| Number | 3 | 3 | — | 37 | 14 | — | 37 | 45 | 54 | 67 | 69 | — |
| Local Mean Difference | — | — | — | 3.2 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -4.0 | — | — | — | — | — |
| CHILD'S EMOT ADJUST | 51.0 | 51.8 | — | 49.6 | 50.5 | — | 48.6 | 48.2 | 50.9 | 54.9 | 56.8 | — |
| Number | 3 | 3 | — | 37 | 14 | — | 37 | 45 | 54 | 67 | 69 | — |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| SCH HELPED WITH CHILD | 54.8 | 46.1 | — | 54.7 | 48.1 | — | 53.6 | 46.6 | 49.4 | 56.2 | 43.5 | — |
| Number | 3 | 3 | — | 37 | 14 | — | 37 | 45 | 54 | 67 | 69 | — |
| Local Mean Difference | 8.7 | — | — | 6.6 | — | — | 7.0 | — | — | 12.7 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 4.2 | — | — | — | — | — |
| SCHOOL'S RECEPTIVITY | 51.2 | 50.6 | — | 52.0 | 49.9 | — | 51.9 | 54.3 | 45.9 | 49.8 | 47.8 | — |
| Number | 3 | 3 | — | 37 | 14 | — | 37 | 45 | 54 | 67 | 69 | — |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 5.9 | — | — | — | — | — |
| PARENT LOCUS | 54.4 | 48.8 | — | 50.3 | 44.1 | — | 54.6 | 42.3 | 51.0 | 58.4 | 60.1 | — |
| Number | 3 | 3 | — | 37 | 14 | — | 37 | 45 | 54 | 67 | 69 | — |
| Local Mean Difference | 5.6 | — | — | 6.3 | — | — | 12.3 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 3.6 | — | — | — | — | — |
| SCH HELPED PERSONALLY | 52.4 | 47.6 | — | 54.6 | 48.5 | — | 50.5 | 46.7 | 48.8 | 52.2 | 47.7 | — |
| Number | 3 | 3 | — | 37 | 14 | — | 37 | 45 | 54 | 67 | 69 | — |
| Local Mean Difference | 4.8 | — | — | 6.1 | — | — | 3.8 | — | — | 4.6 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| PARENT-CHILD INTERACTION | 49.0 | 50.7 | — | 46.5 | 46.9 | — | 49.5 | 52.8 | 50.1 | 51.1 | 52.4 | — |
| Number | 3 | 3 | — | 37 | 14 | — | 37 | 45 | 54 | 67 | 69 | — |
| Local Mean Difference | — | — | — | — | — | — | -3.3 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| BEST MATCHED SITE | | | | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

Table C5-IIEF-7

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT WORD KNOWLEDGE FOR COHORT II ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL



| | E. ST. LOUIS, IL | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.35 | -0.59 | 2.83 | -9.27 | 6.49 | 0.13 | 8.09 | 8.16 | 18.33 |
| Standard Error | 1.77 | 2.73 | 0.83 | 3.98 | 2.16 | 1.02 | 1.45 | 1.18 | 0.76 |
| FT Mean | 20.85 | | | 20.25 | | | 18.20 | | |
| No. of FT Children | 96 | | | 59 | | | 96 | | |
| Matched NFT Site | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

Table C5-IIEF-8

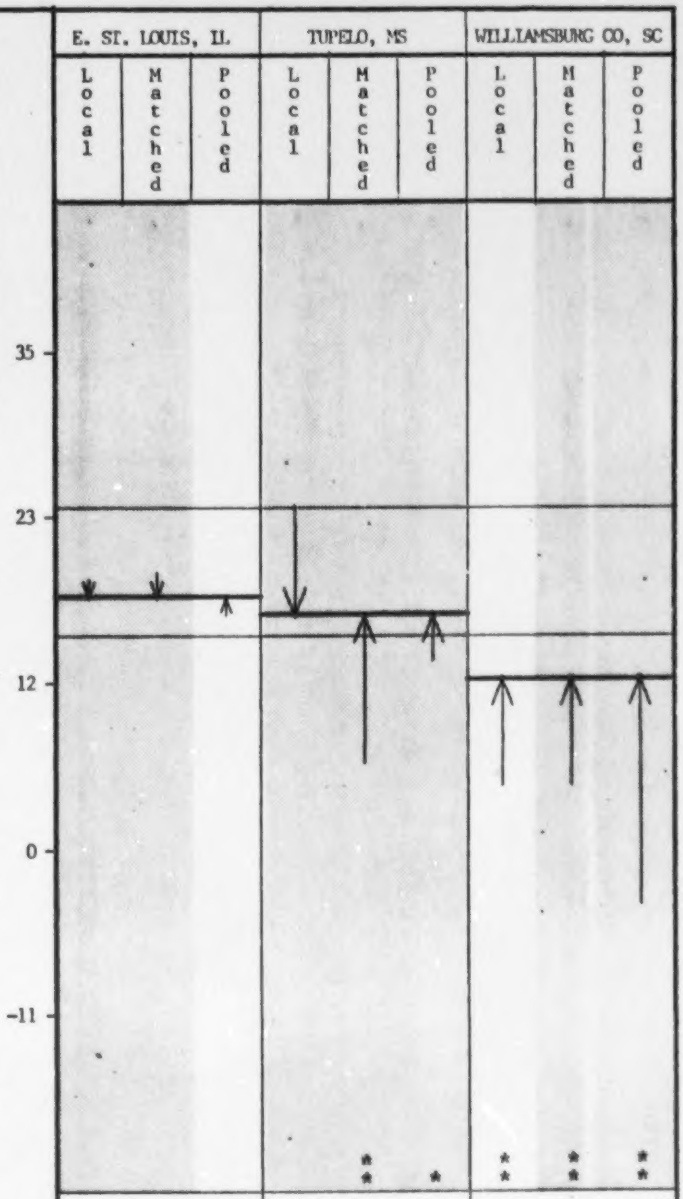
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT SPELLING
FOR COHORT II ENTERING FIRST SITES
IN THE DIRECT INSTRUCTION MODEL

KEY

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ⋁ ⋀
S.D. - 11.62
.25 S.D. - 2.91
P < .05 : *
P < .01 : **

National Mean 24.0

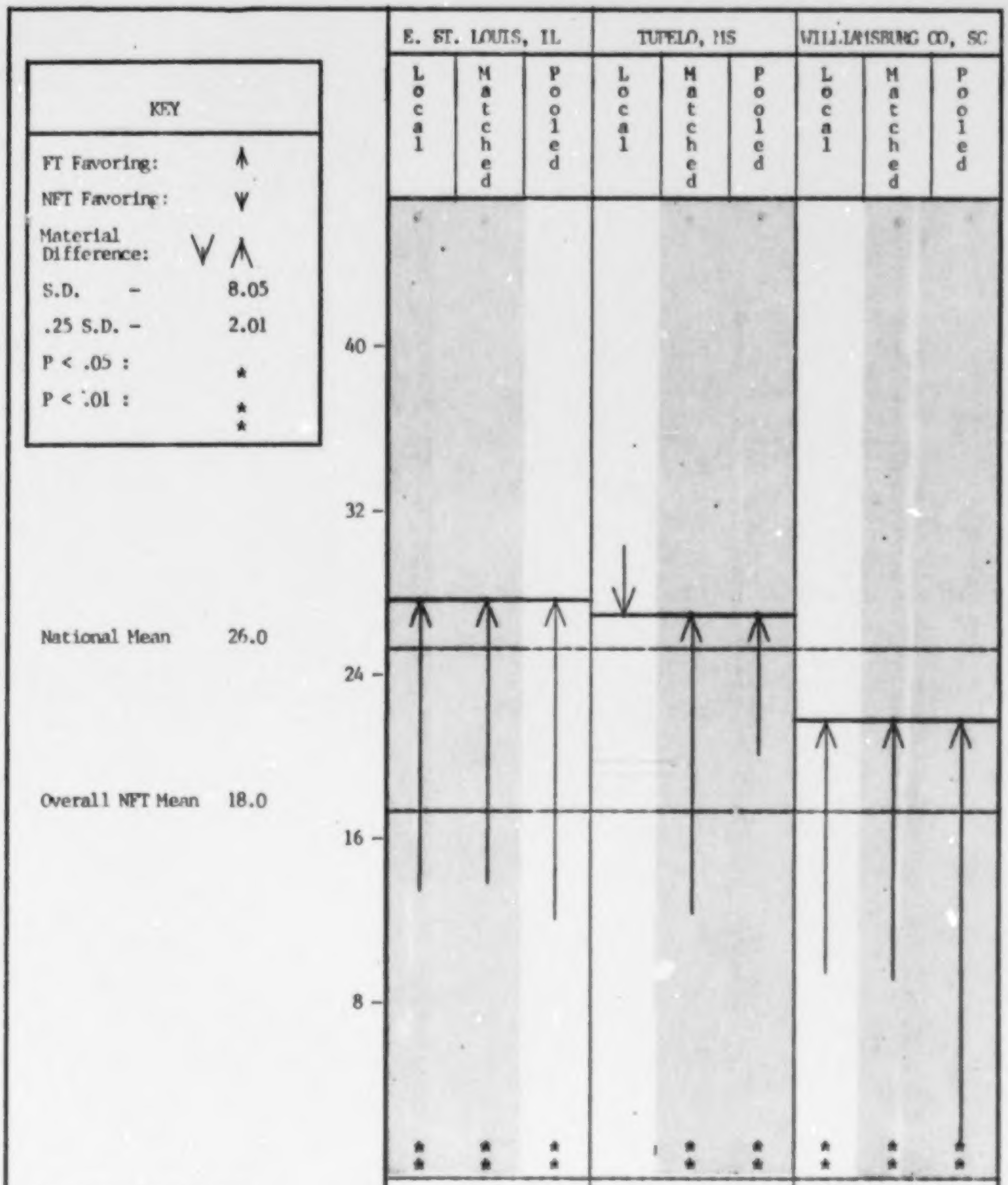
Overall NFT Mean 15.7



| | E. St. Louis, IL | | | Tupelo, MS | | | Williamsburg Co, SC | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.48 | -1.55 | 1.44 | -7.68 | 10.25 | 3.32 | 7.49 | 7.35 | 15.76 |
| Standard Error | 2.43 | 3.37 | 1.08 | 5.46 | 2.38 | 1.59 | 1.99 | 1.71 | 1.12 |
| FT Mean | 18.04 | | | 16.68 | | | 12.26 | | |
| No. of FT Children | 96 | | | 59 | | | 96 | | |
| Matched NFT Site | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

Table C5-IIEF-9

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE FOR COHORT II ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL

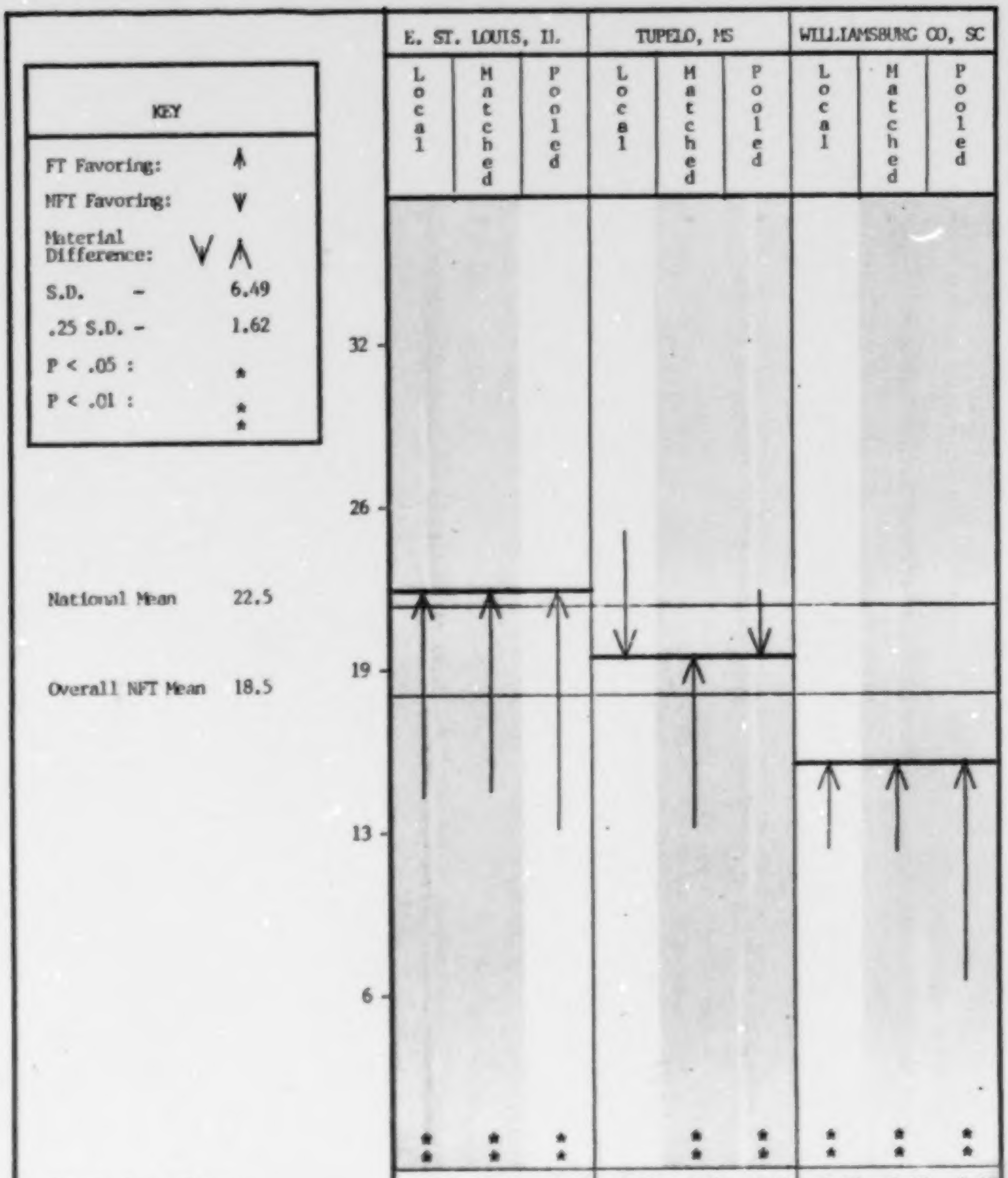


| | E. St. Louis, IL Local | E. St. Louis, IL Matched | E. St. Louis, IL Pooled | Tupelo, MS Local | Tupelo, MS Matched | Tupelo, MS Pooled | Williamsburg Co, SC Local | Williamsburg Co, SC Matched | Williamsburg Co, SC Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 14.24 | 13.80 | 15.57 | -3.53 | 14.75 | 6.87 | 12.36 | 12.70 | 20.79 |
| Standard Error | 1.79 | 2.45 | 0.92 | 4.03 | 1.87 | 1.47 | 1.46 | 1.14 | 0.89 |
| FT Mean | 28.07 | | | 27.30 | | | 22.12 | | |
| No. of FT Children | 96 | | | 59 | | | 96 | | |
| Matched NFT Site | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

**COHORT II-EF STUDY**
**Non-Preschool Adjusted**

Table C5-IIEF-10

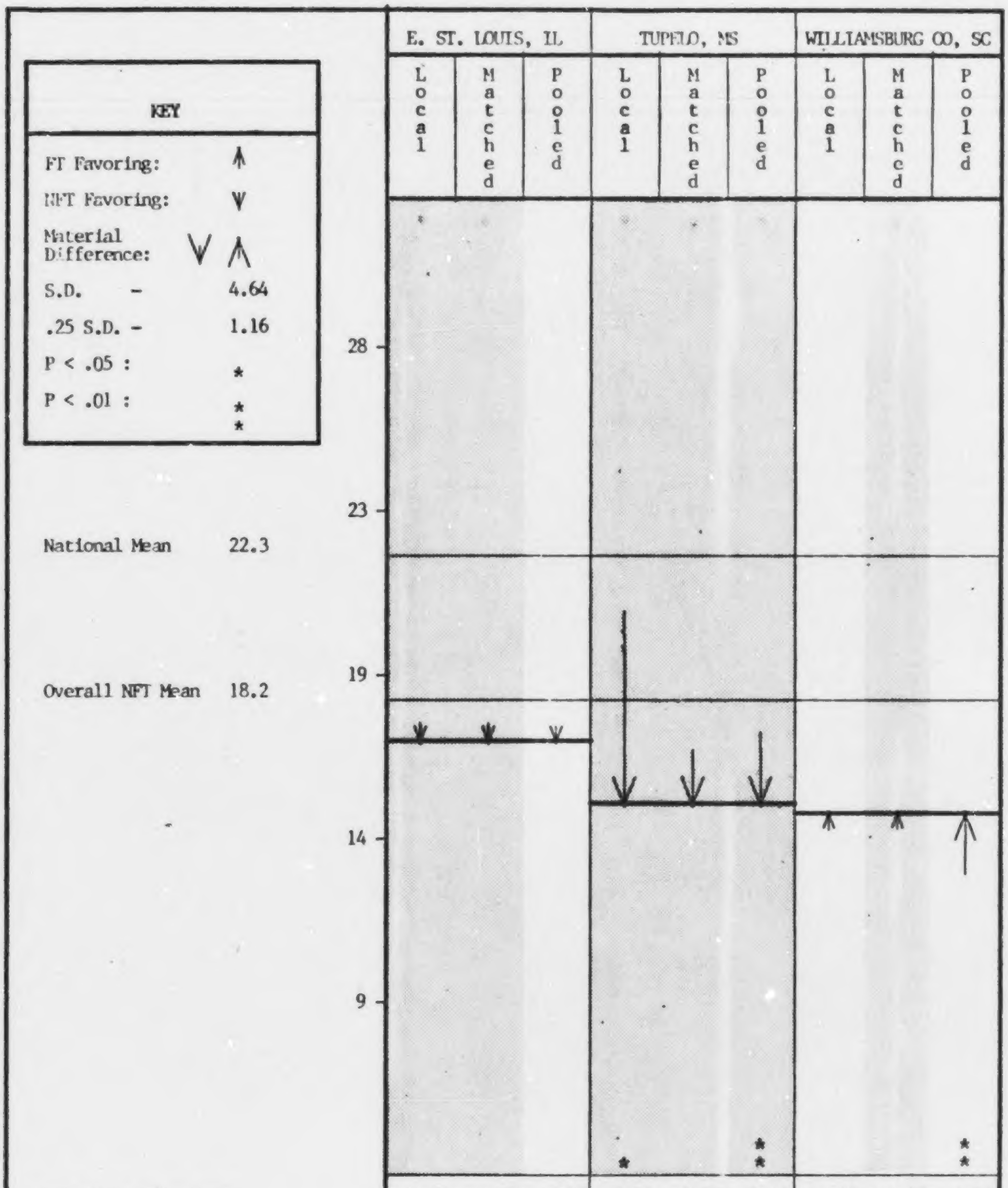
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT II ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL



| | E. St. Louis, IL | | | Tupelo, MS | | | Williamsburg Co, SC | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 8.09 | 7.84 | 9.46 | -5.11 | 6.78 | -2.72 | 3.36 | 3.49 | 8.68 |
| Standard Error | 1.27 | 1.90 | 0.72 | 2.85 | 1.48 | 0.76 | 1.04 | 0.82 | 0.56 |
| FT Mean | 22.74 | | | 20.10 | | | 15.80 | | |
| No. of FT Children | 96 | | | 59 | | | 96 | | |
| Matched NFT Site | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

Table C5-IIEF-11

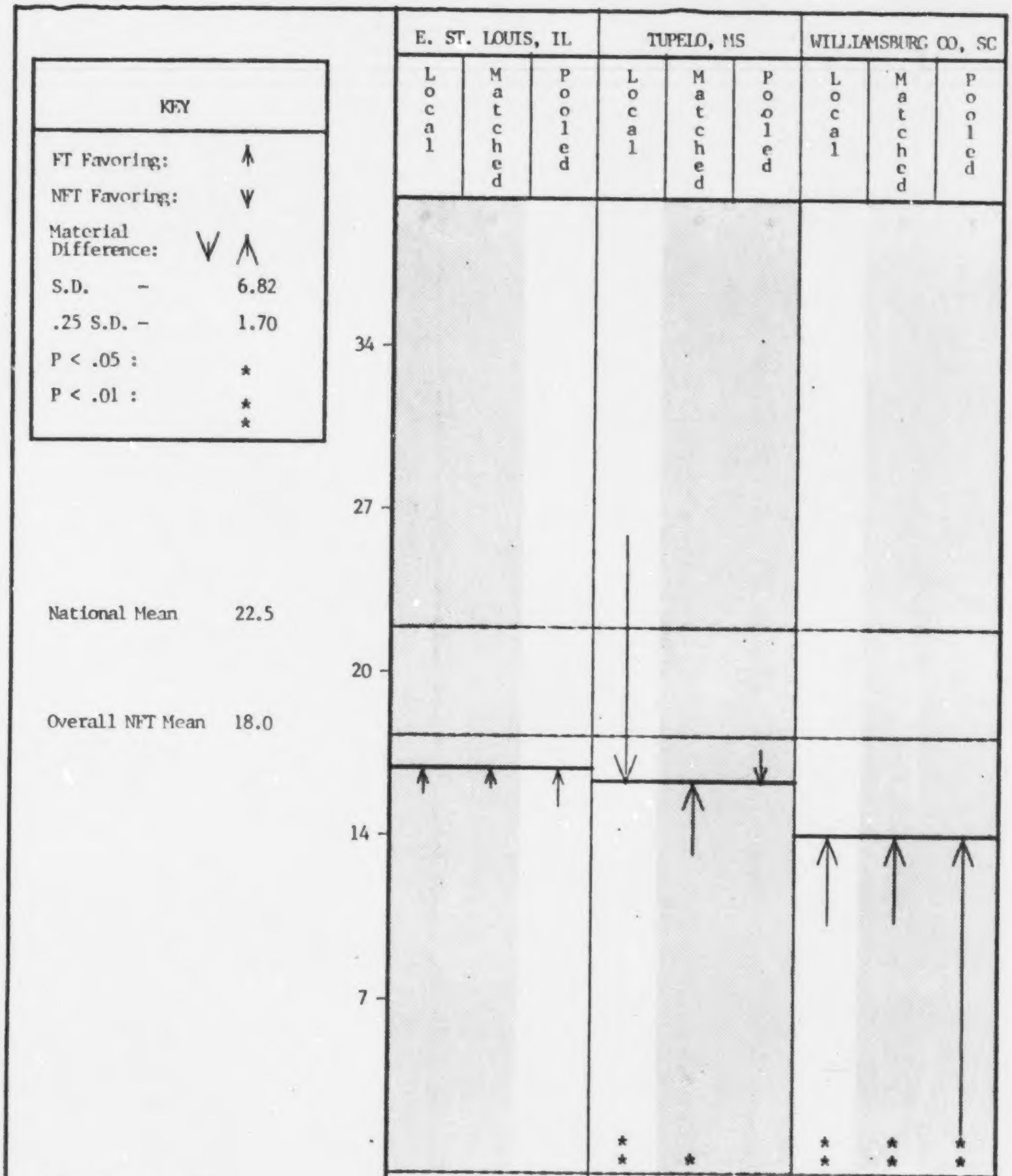
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE RAVEN'S PROGRESSIVE MATRICES
FOR COHORT II ENTERING FIRST SITES
IN THE DIRECT INSTRUCTION MODEL



| | E. St. Louis, IL Local | E. St. Louis, IL Matched | E. St. Louis, IL Pooled | Tupelo, MS Local | Tupelo, MS Matched | Tupelo, MS Pooled | Williamsburg Co, SC Local | Williamsburg Co, SC Matched | Williamsburg Co, SC Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.57 | -0.53 | -0.30 | -5.49 | -1.52 | -2.03 | 0.49 | 0.37 | 1.71 |
| Standard Error | 0.99 | 1.37 | 0.46 | 2.23 | 1.09 | 0.61 | 0.81 | 0.77 | 0.41 |
| FT Mean | 16.78 | | | 15.02 | | | 14.76 | | |
| No. of FT Children | 96 | | | 59 | | | 96 | | |
| Matched NFT Site | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

Table C5-IIEF-12

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT READING FOR COHORT II ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL



| | E. St. Louis, IL Local | E. St. Louis, IL Matched | E. St. Louis, IL Pooled | Tupelo, MS Local | Tupelo, MS Matched | Tupelo, MS Pooled | Williamsburg Co, SC Local | Williamsburg Co, SC Matched | Williamsburg Co, SC Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 0.99 | 0.56 | 1.51 | -10.35 | 2.93 | -1.39 | 3.65 | 3.51 | 12.37 |
| Standard Error | 1.32 | 1.90 | 1.27 | 2.98 | 1.49 | 0.86 | 1.08 | 0.82 | 0.58 |
| FT Mean | 16.59 | | | 16.05 | | | 13.85 | | |
| No. of FT Children | 95 | | | 59 | | | 96 | | |
| Matched NFT Site | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

Table C5-IIEF-13

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS CONCEPTS FOR COHORT II ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL

**KEY**

FT Favoring: ↑

NFT Favoring: ↓

Material Difference: ⋁ ⋀

S.D. - 6.85

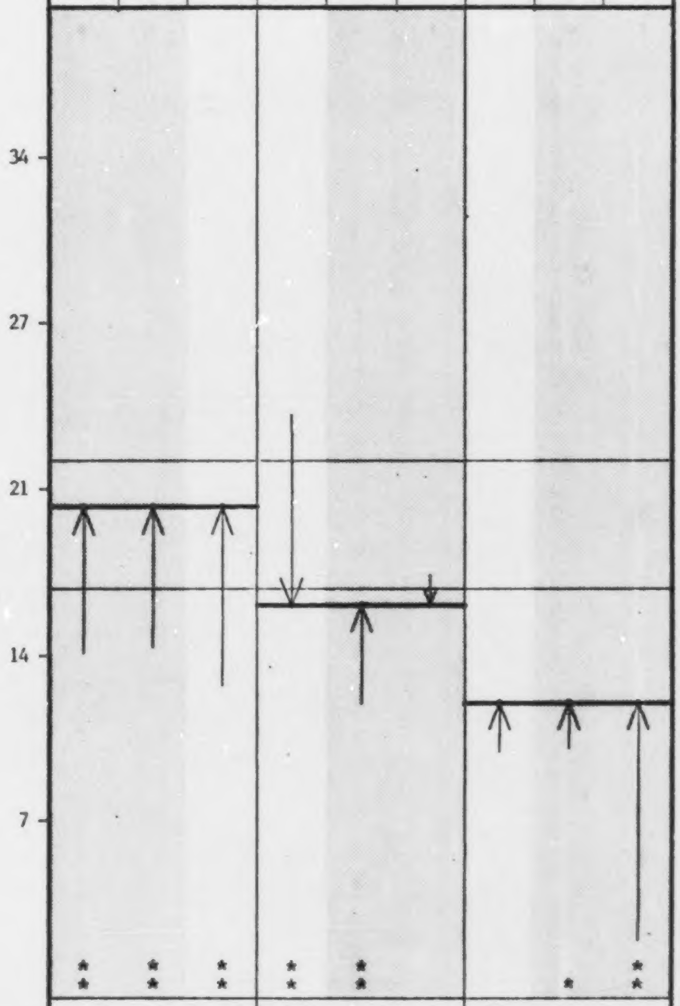
.25 S.D. - 1.71

P < .05 : *

P < .01 : **

National Mean 22.0

Overall NFT Mean 16.6

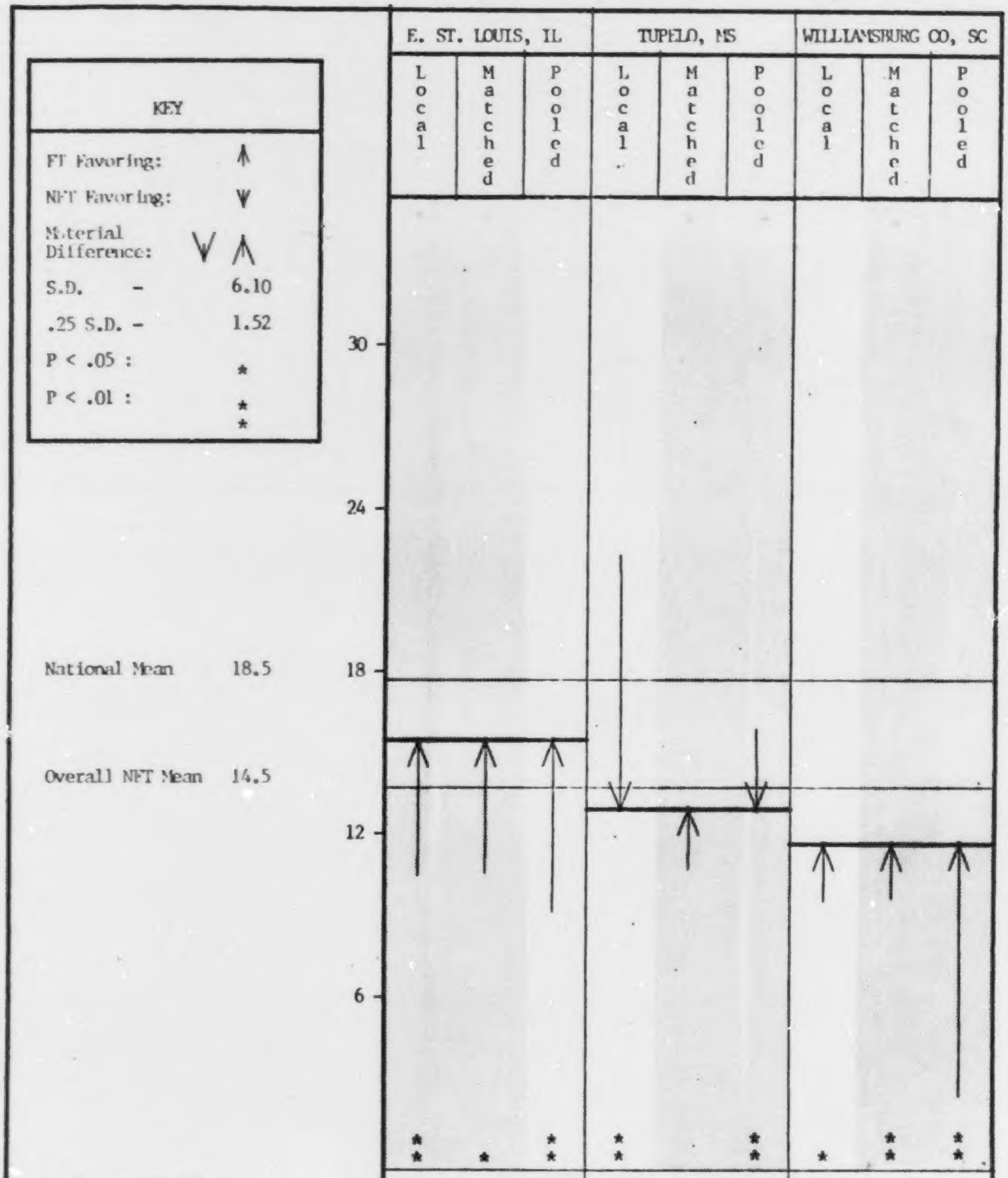


| | E. ST. LOUIS, IL | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 5.92 | 5.61 | 7.27 | -7.81 | 4.10 | -1.22 | 1.98 | 1.91 | 9.74 |
| Standard Error | 1.28 | 2.03 | 0.69 | 2.87 | 1.59 | 0.84 | 1.04 | 0.78 | 0.46 |
| FT Mean | 19.92 | | | 15.95 | | | 11.82 | | |
| No. of FT Children | 96 | | | 59 | | | 96 | | |
| Matched NFT Site | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

**COHORT II-EF STUDY**
**Non-Preschool Adjusted**

## Table C5-IIEF-14

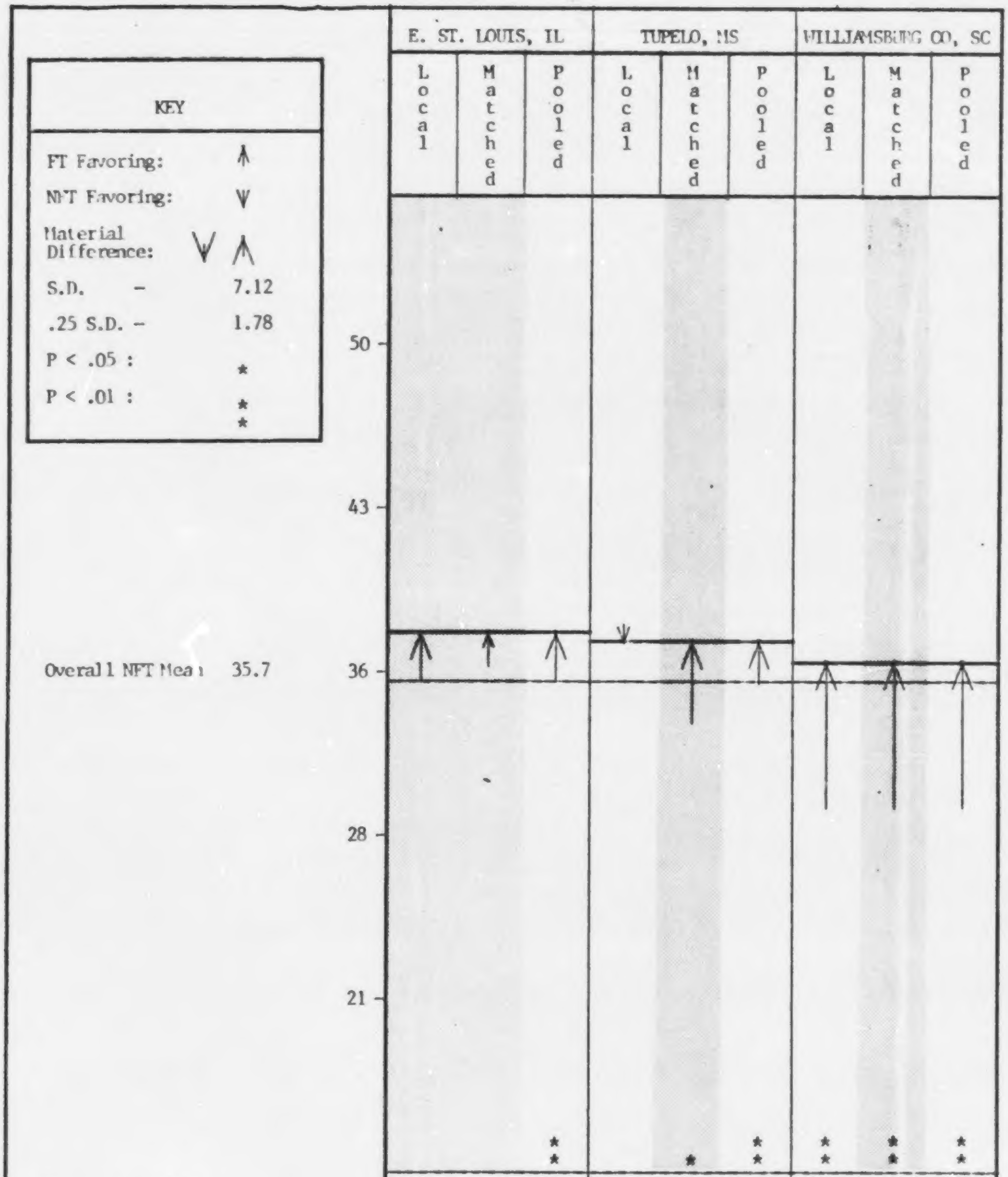
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM SOLVING FOR COHORT II ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL



| | E. ST. LOUIS, IL | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | ** | * | ** | ** | | ** | * | ** | ** |
| Magnitude of Effect | 5.09 | 4.88 | 6.43 | -9.66 | 2.24 | -3.10 | 2.13 | 2.01 | 9.40 |
| Standard Error | 1.21 | 1.98 | 0.75 | 2.73 | 1.43 | 0.88 | 0.99 | 0.70 | 0.51 |
| FT Mean | 15.82 | | | 13.22 | | | 11.92 | | |
| No. of FT Children | 96 | | | 59 | | | 96 | | |
| Matched NFT Site | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

Table C5-IIEF-15

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT II ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL

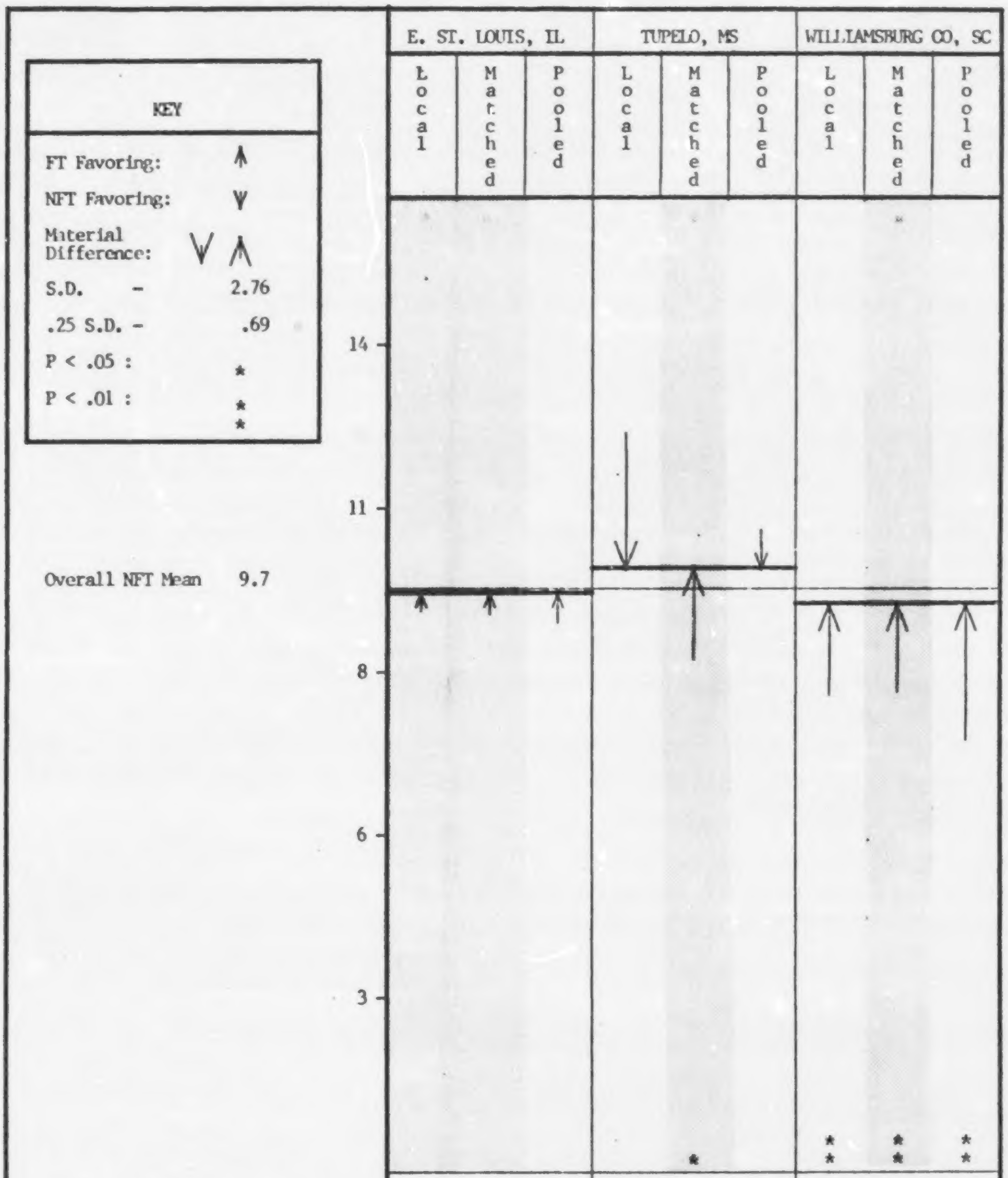


| | E. ST. LOUIS, IL | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 1.96 | 1.51 | 2.15 | -0.71 | 3.61 | 1.96 | 6.29 | 6.28 | 6.26 |
| Standard Error | 1.60 | 2.11 | 0.65 | 3.59 | 1.77 | 0.71 | 1.31 | 1.38 | 0.63 |
| FT Mean | 37.53 | | | 37.17 | | | 36.17 | | |
| No. of FT Children | 96 | | | 59 | | | 96 | | |
| Matched NFT Site | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

**COHORT II-EF STUDY**
**Non-Preschool Adjusted**

## Table C5-IIEF- 16

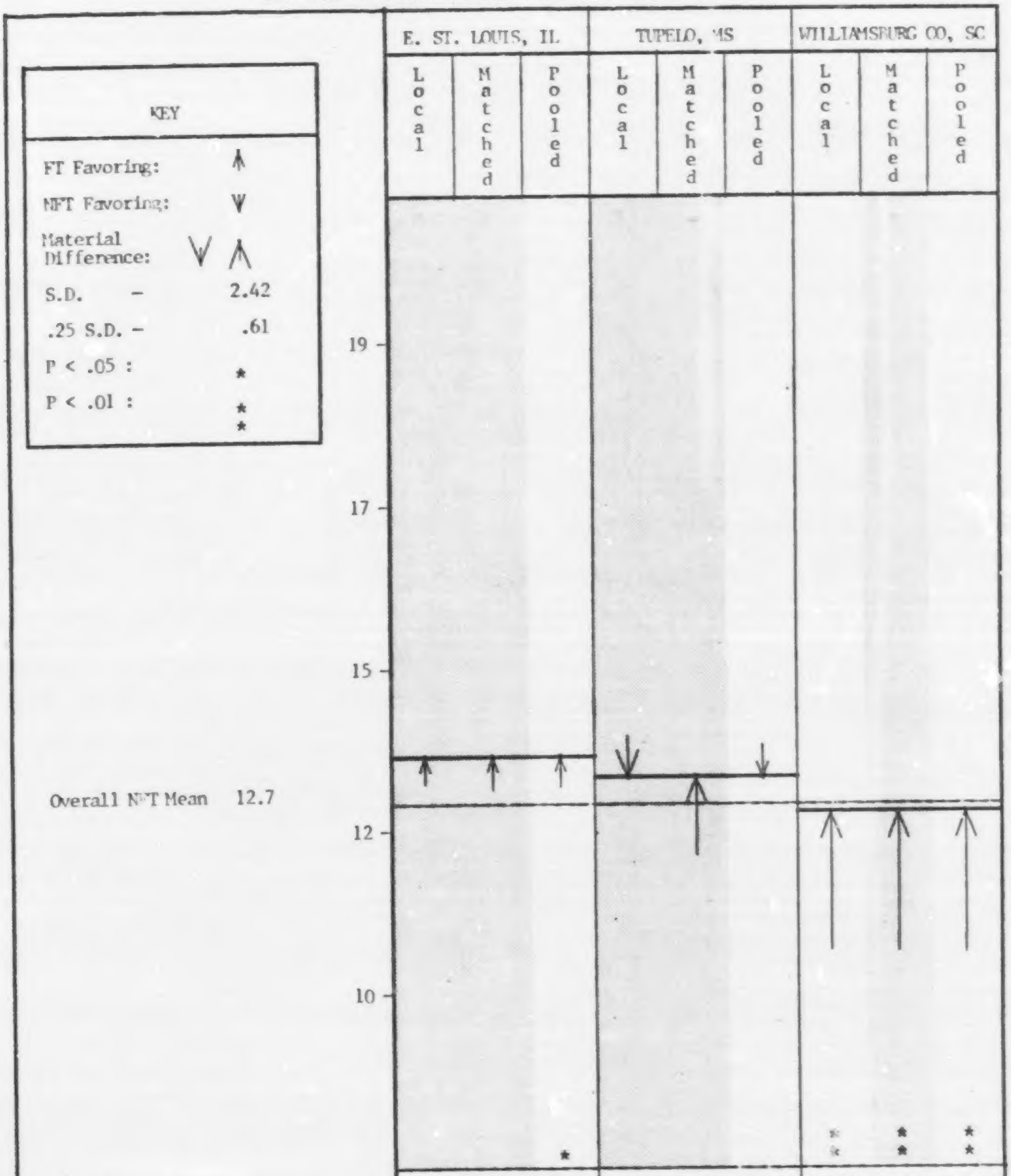
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE- NEGATIVE FOR COHORT II ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL



| | E. ST. LOUIS, IL | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.33 | 0.37 | 0.55 | -2.30 | 1.56 | -0.63 | 1.54 | 1.51 | 2.32 |
| Standard Error | 0.62 | 0.87 | 0.28 | 1.39 | 0.77 | 0.38 | 0.51 | 0.50 | 0.30 |
| FT Mean | 9.71 | | | 10.12 | | | 9.49 | | |
| No. of FT Children | 96 | | | 59 | | | 96 | | |
| Matched NFT Site | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

Table C5-IIEF-17

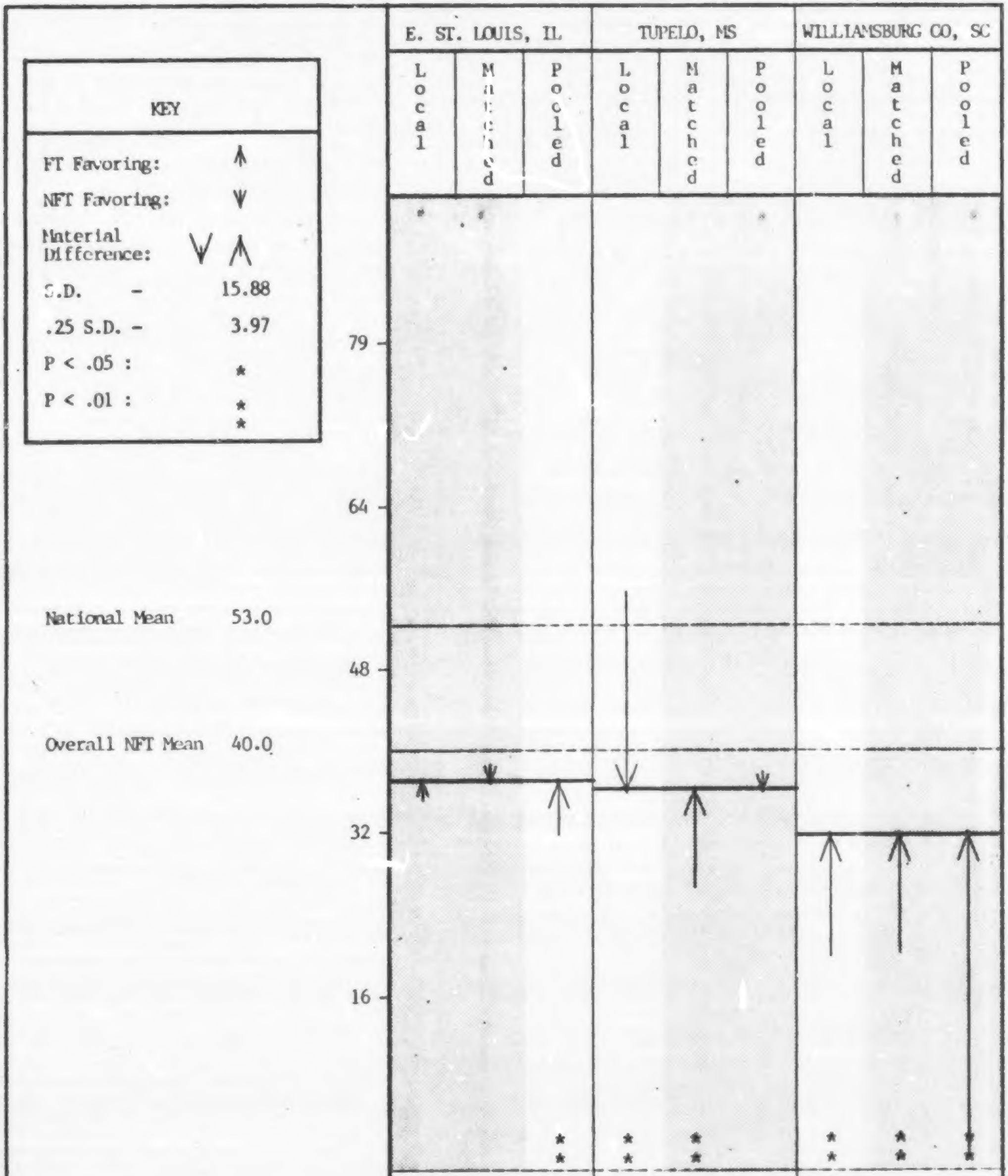
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE FOR COHORT II ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL



| | E. St. Louis, IL Local | Matched | Pooled | Tupelo, MS Local | Matched | Pooled | Williamsburg Co, SC Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 0.40 | 0.48 | 0.44 | −0.63 | 1.16 | −0.52 | 2.04 | 2.04 | 2.08 |
| Standard Error | 0.57 | 0.73 | 0.22 | 1.29 | 0.66 | 0.34 | 0.47 | 0.51 | 0.28 |
| FT Mean | 13.27 | | | 12.97 | | | 12.42 | | |
| No. of FT Children | 96 | | | 59 | | | 96 | | |
| Matched NFT Site | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

Table C5-IIEF-18

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL READING FOR COHORT II ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL



| | E. St. Louis, IL Local | E. St. Louis, IL Matched | E. St. Louis, IL Pooled | Tupelo, MS Local | Tupelo, MS Matched | Tupelo, MS Pooled | Williamsburg Co, SC Local | Williamsburg Co, SC Matched | Williamsburg Co, SC Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 1.15 | -0.16 | 5.31 | -19.41 | 9.42 | -1.14 | 11.81 | 11.70 | 30.86 |
| Standard Error | 2.85 | 4.38 | 1.38 | 6.41 | 3.40 | 1.80 | 2.33 | 1.73 | 1.21 |
| FT Mean | 37.27 | | | 36.31 | | | 32.05 | | |
| No. of FT Children | 96 | | | 59 | | | 96 | | |
| Matched NFT Site | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

Table C5-IIEF-19

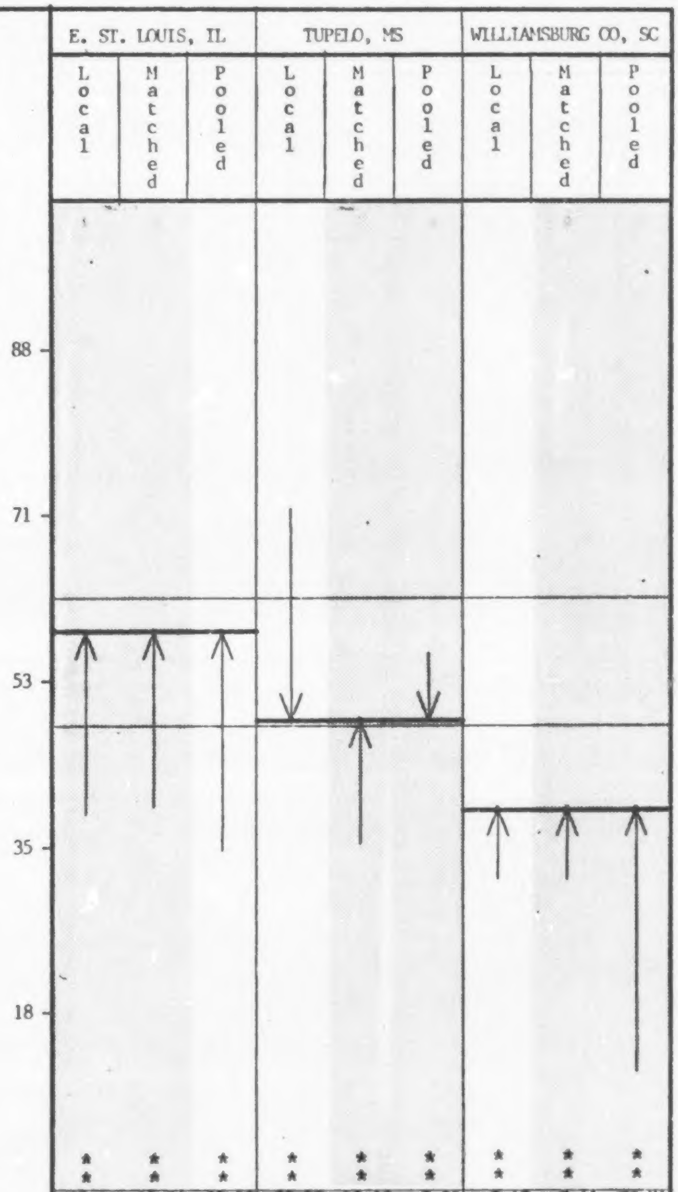
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL MATH FOR COHORT II ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL

KEY

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ∨ ∧ |
| S.D. - | 17.64 |
| .25 S.D. - | 4.41 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 63.0

Overall NFT Mean 49.6

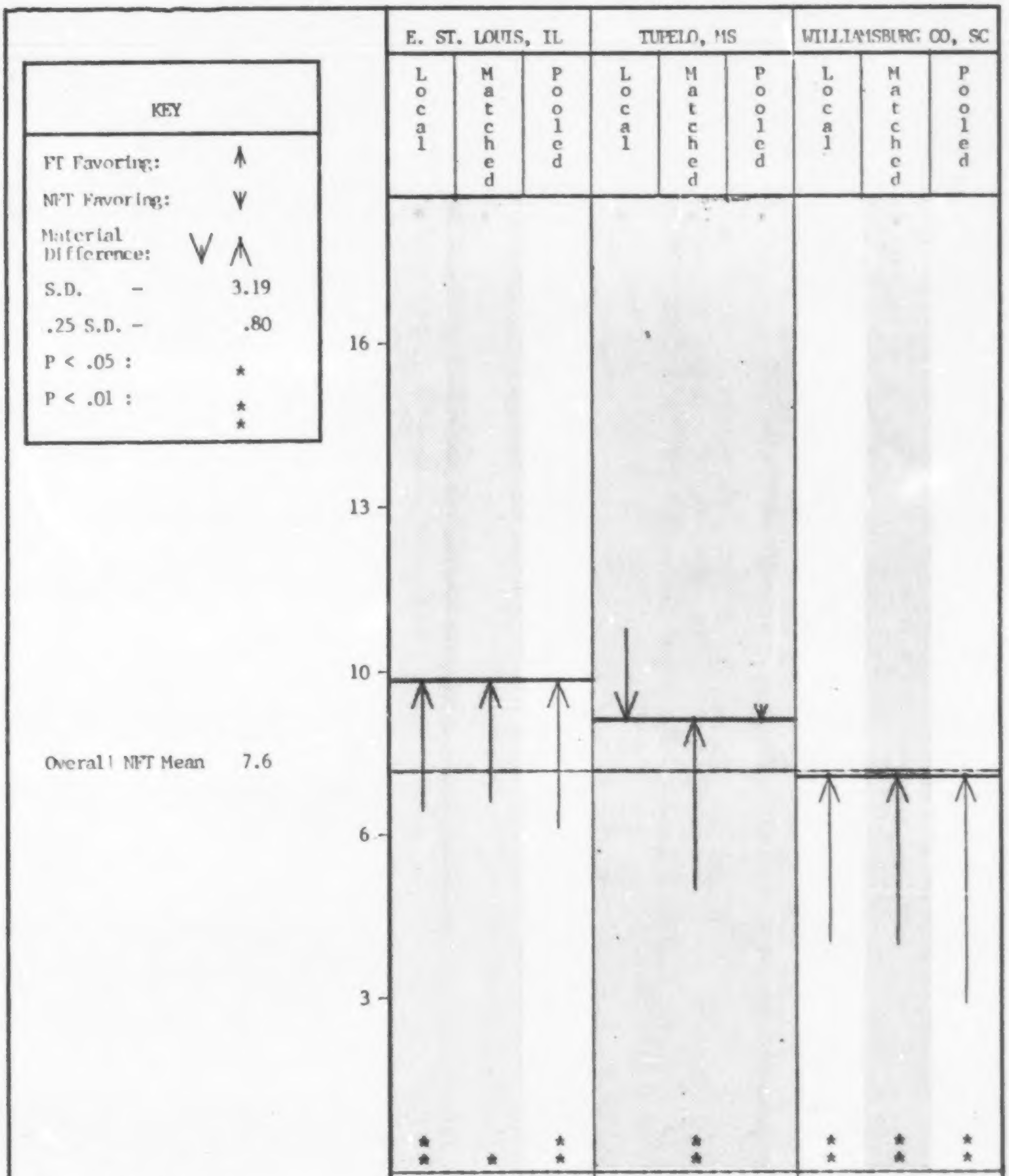


| | E. St. Louis, IL Local | E. St. Louis, IL Matched | E. St. Louis, IL Pooled | Tupelo, MS Local | Tupelo, MS Matched | Tupelo, MS Pooled | Williamsburg Co, SC Local | Williamsburg Co, SC Matched | Williamsburg Co, SC Pooled |
|---|---|---|---|---|---|---|---|---|---|
| | ** | ** | ** | ** | ** | ** | ** | ** | ** |
| Magnitude of Effect | 19.10 | 18.34 | 23.13 | -22.58 | 13.12 | -7.06 | 7.47 | 7.41 | 27.81 |
| Standard Error | 3.29 | 5.30 | 1.99 | 7.39 | 3.94 | 2.25 | 2.69 | 1.83 | 1.31 |
| FT Mean | 58.48 | | | 49.27 | | | 39.54 | | |
| No. of FT Children | 96 | | | 59 | | | 96 | | |
| Matched NFT Site | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

**COHORT II-EF STUDY**
**Non-Preschool Adjusted**

## Table CS-IIEF-20

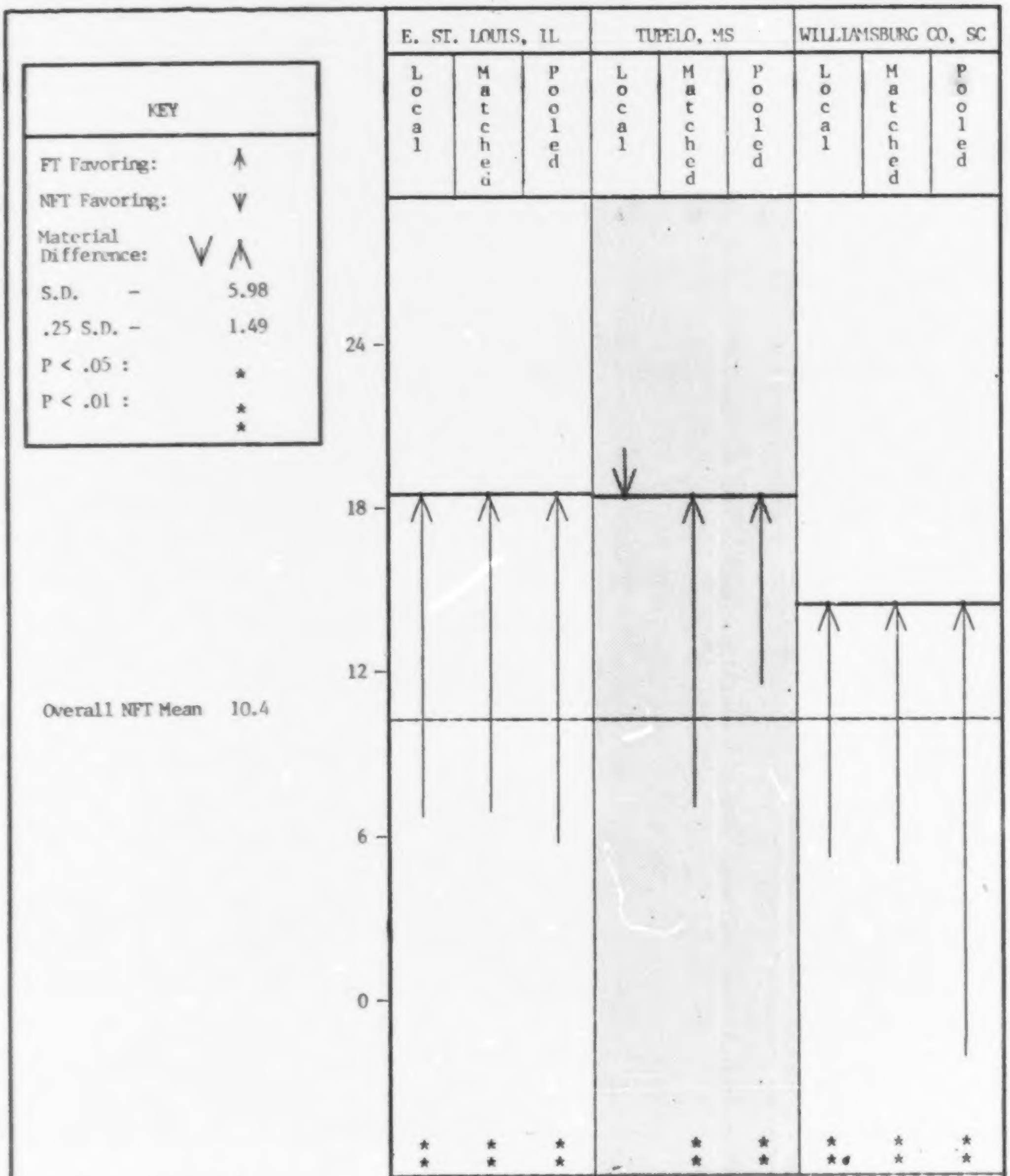
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT II ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL



| | E. St. Louis, IL Local | E. St. Louis, IL Matched | E. St. Louis, IL Pooled | Tupelo, MS Local | Tupelo, MS Matched | Tupelo, MS Pooled | Williamsburg Co, SC Local | Williamsburg Co, SC Matched | Williamsburg Co, SC Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 2.54 | 2.35 | 2.87 | -1.74 | 3.40 | -0.07 | 3.24 | 3.30 | 4.39 |
| Standard Error | 0.68 | 1.03 | 0.33 | 1.53 | 0.77 | 0.40 | 0.56 | 0.49 | 0.30 |
| FT Mean | 9.46 | | | 8.73 | | | 7.57 | | |
| No. of FT Children | 96 | | | 59 | | | 96 | | |
| Matched NFT Site | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

## Table C5-IIEF-21

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT II ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 11.70 | 11.45 | 12.68 | -1.78 | 11.35 | 6.92 | 9.12 | 9.40 | 16.[illegible]3 |
| Standard Error | 1.34 | 1.82 | 0.71 | 3.02 | 1.43 | 1.15 | 1.10 | 0.85 | 0.69 |
| FT Mean | 18.62 | | | 18.58 | | | 14.54 | | |
| No. of FT Children | 96 | | | 59 | | | 96 | | |
| Matched NFT Site | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

Table C5-IIEF-22

STANDARDIZED SCORES FOR MAT READING, MATHEMATICS,
LANGUAGE AND SPELLING SUBTESTS
COHORT II ENTERING FIRST SITES
IN THE DIRECT INSTRUCTION MODEL

| | | SPONSOR'S SITES | | | E. ST. LOUIS, IL | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAT NORM POPULATION | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | |
| Third Grade Median | 61 | 51.7 | 54.2 | — | 52.8 | 52.7 | — | 52.4 | 71.3 | 46.8 | 50.0 | 38.6 | — |
| Median Percentile | 50 | 22.0 | 28.0 | 9.0 | 24.0 | 24.0 | 24.0 | 22.0 | 78.0 | 10.0 | 16.0 | 4.0 | 4.0 |
| Grade Equivalent | 3.5 | 2.6 | 2.8 | 2.2 | 2.7 | 2.7 | 2.7 | 2.6 | 4.6 | 2.2 | 2.4 | 1.8 | 1.8 |
| 1 Year or More Below Grade Level | 20 | 48.5 | 48.9 | — | 42.7 | 46.7 | — | 42.4 | 6.4 | 78.6 | 60.4 | 93.7 | — |
| TOTAL MATHEMATICS | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 62.5 | 63.6 | — | 67.5 | 58.0 | — | 62.4 | 82.6 | 52.7 | 57.5 | 50.1 | — |
| Median Percentile | 50 | 23.0 | 28.0 | 8.0 | 40.0 | 14.0 | 14.0 | 23.0 | 84.0 | 8.0 | 14.0 | 4.0 | 4.0 |
| Grade Equivalent | 3.75 | 3.1 | 3.2 | 2.4 | 3.5 | 2.8 | 2.8 | 3.1 | 5.1 | 2.4 | 2.8 | 2.2 | 2.2 |
| 1 Year or More Below Grade Level | 12 | 28.3 | 42.3 | — | 14.6 | 46.7 | — | 20.3 | 0.0 | 61.2 | 50.0 | 80.2 | — |
| SPELLING | | | | | | | | | | | | | |
| Third Grade Median | 64 | 56.2 | 57.0 | — | 58.2 | 62.8 | — | 58.0 | 69.0 | 45.3 | 52.5 | 39.3 | — |
| Median Percentile | 50 | 26.0 | 30.0 | 13.0 | 32.0 | 48.0 | 48.0 | 32.0 | 66.0 | 8.0 | 20.0 | 2.0 | 2.0 |
| Grade Equivalent | 3.6 | 2.8 | 2.9 | 2.3 | 2.9 | 3.5 | 3.5 | 2.9 | 4.3 | 2.0 | 2.6 | 1.5 | 1.5 |
| 1 Year or More Below Grade Level | 22 | 41.7 | 39.9 | — | 31.3 | 28.9 | — | 40.7 | 8.5 | 75.7 | 53.1 | 82.3 | — |
| LANGUAGE | | | | | | | | | | | | | |
| Third Grade Median | 70 | 69.9 | 61.7 | — | 72.1 | 57.0 | — | 72.7 | 78.4 | 54.7 | 65.0 | 49.8 | — |
| Median Percentile | 50 | 50.0 | 30.0 | 12.0 | 56.0 | 20.0 | 20.0 | 58.0 | 74.0 | 14.0 | 38.0 | 8.0 | 8.0 |
| Grade Equivalent | 4.0 | 4.0 | 3.1 | 2.4 | 4.3 | 2.7 | 2.7 | 4.5 | 5.1 | 2.5 | 3.4 | 2.1 | 2.1 |
| 1 Year or More Below Grade Level | 14 | 22.3 | 55.5 | — | 14.6 | 64.4 | — | 22.0 | 4.3 | 80.6 | 30.2 | 97.9 | — |
| BEST MATCHED SITE | - | | | | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

Table C5-IIEF-23

### MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES USED IN THE ANALYTIC SAMPLE OF THE COHORT II ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL

| | SPONSOR'S SITES | | | E. ST. LOUIS, IL | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | | | | | | | |
| Mean | 32.6 | 38.5 | — | 44.4 | 47.1 | — | 26.2 | 42.3 | 29.4 | 27.3 | 26.0 | — |
| Standard Deviation | — | — | — | 12.4 | 11.2 | — | 12.7 | 10.5 | 11.1 | 9.6 | 8.8 | — |
| HIGHEST OCCUPATION IN HOUSE | | | | | | | | | | | | |
| Mean | 13.4 | 15.1 | — | 13.3 | 14.1 | — | 13.0 | 16.1 | 13.1 | 13.9 | 15.2 | — |
| Standard Deviation | — | — | — | 1.7 | 2.5 | — | 1.2 | 2.0 | 1.5 | 2.7 | 3.0 | — |
| FAMILY INCOME IN DOLLARS | | | | | | | | | | | | |
| Mean | 3258 | 5216 | — | 4013 | 5266 | — | 3147 | 8077 | 4347 | 2614 | 2304 | — |
| Standard Deviation | — | — | — | 2619 | 3261 | — | 1704 | 2345 | 2267 | 1903 | 1648 | — |
| MISSING INCOME INFORMATION | | | | | | | | | | | | |
| No. Missing | — | — | — | 57 | 30 | — | 25 | 2 | 44 | 30 | 27 | — |
| Valid Cases | — | — | — | 39 | 15 | — | 34 | 45 | 59 | 66 | 69 | — |
| ETHNIC MEMBERSHIP/RACE | | | | | | | | | | | | |
| Percent White | 3 | 33 | — | 0 | 0 | — | 5 | 100 | 17 | 5 | 0 | — |
| Percent Black | 97 | 66 | — | 100 | 100 | — | 95 | 0 | 83 | 95 | 99 | — |
| SEX Percent Female | 54 | 49 | — | 56 | 53 | — | 51 | 47 | 47 | 54 | 46 | — |
| ENTRY AGE IN MONTHS | | | | | | | | | | | | |
| Mean | 75.3 | 74.9 | — | 77.0 | 75.4 | — | 76.7 | 76.3 | 77.1 | 72.1 | 72.9 | — |
| Standard Deviation | — | — | — | 4.0 | 25.6 | — | 5.4 | 3.7 | 4.2 | 29.2 | 34.3 | — |
| FIRST LANGUAGE | | | | | | | | | | | | |
| Percent English | 100 | 100 | — | 100 | 100 | — | 100 | 100 | 100 | 100 | 100 | — |
| BEST MATCHED SITE | | | | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

## Table C5-IIEF-24

## MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES COHORT II ENTERING FIRST SITES IN THE DIRECT INSTRUCTION MODEL

| | | ALL SITES | | SPONSOR'S SITES | | | E. ST. LOUIS, IL | | | TUPELO, MS | | | WILLIAMSBURG CO, SC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | Mean | 36.10 | 37.29 | 35.21 | 41.00 | — | 37.27 | 37.00 | — | 36.31 | 66.00 | 28.90 | 32.05 | 19.93 | — |
| | Standard Deviation | | | — | — | — | 13.82 | 15.44 | — | 12.80 | 16.60 | 15.17 | 10.82 | 7.87 | — |
| TOTAL MATHEMATICS | Mean | 46.79 | 47.93 | 49.10 | 51.26 | — | 58.48 | 40.22 | — | 49.27 | 81.91 | 37.50 | 39.54 | 31.57 | — |
| | Standard Deviation | | | — | — | — | 20.20 | 12.62 | — | 14.46 | 17.80 | 16.13 | 11.48 | 8.26 | — |
| LANGUAGE | Mean | 18.13 | 18.20 | 25.83 | 19.10 | — | 28.07 | 14.60 | — | 27.31 | 32.74 | 13.05 | 22.11 | 9.91 | — |
| | Standard Deviation | | | — | — | — | 9.83 | 5.69 | — | 10.02 | 8.46 | 5.24 | 8.41 | 3.76 | — |
| SPELLING | Mean | 15.76 | 14.48 | 15.66 | 17.44 | — | 18.04 | 19.38 | — | 16.68 | 28.17 | 6.68 | 12.26 | 4.82 | — |
| | Standard Deviation | | | — | — | — | 11.96 | 11.21 | — | 12.45 | 9.71 | 8.20 | 11.05 | 8.46 | — |
| RAVEN'S PROGRESSIVE MAT. | Mean | 16.49 | 17.43 | 15.52 | 18.51 | — | 16.78 | 17.67 | — | 15.02 | 23.38 | 16.76 | 14.76 | 14.48 | — |
| | Standard Deviation | | | — | — | — | 4.37 | 4.38 | — | 4.63 | 3.64 | 4.62 | 4.12 | 4.52 | — |
| COOPERSMITH'S SELF-EST. | Mean | 35.35 | 35.93 | 36.96 | 34.46 | — | 37.53 | 35.98 | — | 37.17 | 37.23 | 34.10 | 36.17 | 30.17 | — |
| | Standard Deviation | | | — | — | — | 6.75 | 6.56 | — | 5.60 | 6.27 | 7.64 | 6.05 | 8.41 | — |
| IARS-LOCUS NEGATIVE | Mean | 9.57 | 9.53 | 9.77 | 9.93 | — | 9.71 | 9.47 | — | 10.12 | 12.30 | 9.04 | 9.49 | 8.02 | — |
| | Standard Deviation | | | — | — | — | 2.79 | 2.53 | — | 2.70 | 2.34 | 2.97 | 2.82 | 2.54 | — |
| IARS-LOCUS POSITIVE | Mean | 12.30 | 12.49 | 12.88 | 12.58 | — | 13.27 | 12.91 | — | 12.97 | 14.53 | 12.02 | 12.42 | 10.30 | — |
| | Standard Deviation | | | — | — | — | 2.22 | 2.26 | — | 2.59 | 1.21 | 2.48 | 2.73 | 2.69 | — |
| WORD KNOWLEDGE | Mean | 20.39 | 20.34 | 19.77 | 22.65 | — | 20.85 | 21.07 | — | 20.25 | 36.94 | 15.34 | 18.20 | 9.95 | — |
| | Standard Deviation | | | — | — | — | 8.67 | 9.60 | — | 7.52 | 8.82 | 9.89 | 7.23 | 5.71 | — |
| READING | Mean | 15.72 | 16.98 | 15.50 | 18.38 | — | 16.59 | 15.93 | — | 16.05 | 29.13 | 13.56 | 13.85 | 10.08 | — |
| | Standard Deviation | | | — | — | — | 5.75 | 6.85 | — | 5.98 | 8.45 | 6.14 | 5.02 | 3.60 | — |
| MATH COMPUTATIONS | Mean | 18.34 | 18.29 | 19.55 | 18.94 | — | 22.74 | 14.84 | — | 20.10 | 29.83 | 14.02 | 15.80 | 12.16 | — |
| | Standard Deviation | | | — | — | — | 7.36 | 4.52 | — | 5.35 | 6.42 | 5.88 | 5.02 | 3.76 | — |
| MATH CONCEPTS | Mean | 15.41 | 15.82 | 15.90 | 17.26 | — | 19.92 | 14.42 | — | 15.95 | 27.68 | 12.43 | 11.82 | 9.67 | — |
| | Standard Deviation | | | — | — | — | 7.09 | 5.69 | — | 5.74 | 6.63 | 6.74 | 4.47 | 3.98 | — |
| MATH PROBLEM SOLVING | Mean | 13.03 | 13.83 | 13.65 | 15.06 | — | 15.82 | 10.96 | — | 13.22 | 24.47 | 11.05 | 11.92 | 9.75 | — |
| | Standard Deviation | | | — | — | — | 7.34 | 4.63 | — | 5.36 | 6.24 | 5.57 | 4.29 | 3.15 | — |
| LANGUAGE PART A | Mean | 7.37 | 7.34 | 8.59 | 7.75 | — | 9.46 | 7.16 | — | 8.73 | 11.83 | 5.82 | 7.57 | 4.26 | — |
| | Standard Deviation | | | — | — | — | 3.52 | 2.90 | — | 3.25 | 2.24 | 3.13 | 3.02 | 2.35 | — |
| LANGUAGE PART B | Mean | 10.75 | 10.86 | 17.24 | 11.35 | — | 18.61 | 7.44 | — | 18.58 | 20.96 | 7.23 | 14.54 | 5.65 | — |
| | Standard Deviation | | | — | — | — | 7.28 | 4.22 | — | 7.41 | 6.87 | 3.70 | 6.27 | 2.23 | — |
| BEST MATCH SITE | | | | | | | E. St. Louis, IL | | | Chattanooga, TN | | | Williamsburg Co, SC | | |

**COHORT II-EF STUDY**
**Non-Preschool Adjusted**

## Table C5-IIEF-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT II-EF LOCAL ANALYSES FOR THE DIRECT INSTRUCTION MODEL

CODE

FEW = Fall Entering WRAT
NOFEW = Missing WRAT
SEX = Sex
OCCUP = Occupation
NOINC = Missing Income
ENTAGE = Entry Age
INCOME = Income
ETH2 = White vs. Other
NOOCCUP = Missing Occupation
ETH1 = White vs. Black

### MAT Total Reading

| VARIABLE | | STD ERROR B |
|---|---|---|
| FEW | .22638997 | .57466126E-01 |
| NOFEW | -1.[illegible] | 2.4654552 |
| SEX | 1.3027621 | 1.5[illegible]23478 |
| OCCUP | .25966374 | .3[illegible]108217 |
| NOINC | -.39617739 | 4.23[illegible]7526 |
| ENTAGE | -.31364506E-01 | .13534956 |
| INCOME | .45[illegible]E-03 | .30190951E-03 |
| ETH2 | 8.[illegible] | 1[illegible].692331 |
| NOOCCUP | -1.42[illegible]300 | 4.3638124 |
| ETH1 | -2.3117474 | 5.5972506 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .2[illegible]757[illegible]34 | .66222924E-01 |
| NOFEW | -1.7786[illegible]94 | 2.8411460 |
| SEX | 1.[illegible]5151[illegible]2 | 1.7312785 |
| OCCUP | .15767995 | .34596965 |
| NOINC | -.4155451 | 4.9906803 |
| ENTAGE | -.11324994 | .15597439 |
| INCOME | .36392[illegible]63E-03 | .34791507E-03 |
| ETH2 | 7.[illegible]816579 | 12.321649 |
| NOOCCUP | -1.9[illegible]19571 | 5.[illegible]297785 |
| ETH1 | -1.8959565 | 6.45[illegible]1794 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .18446391 | .48952129E-01 |
| NOFEW | -1.3231[illegible]15 | 2.1001813 |
| SEX | 4.1133254 | 1.2797648 |
| OCCUP | .18598654 | .25647489 |
| NOINC | 1.7836795 | 3.6891215 |
| ENTAGE | .31321230E-01 | .11529661 |
| INCOME | .35[illegible]63065E-03 | .25717957E-03 |
| ETH2 | -.76514781 | 9.1081894 |
| NOOCCUP | -[illegible].814679 | 3.7172939 |
| ETH1 | -.21772682 | 4.7679799 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .16465973 | .360817[illegible]8E-01 |
| NOFEW | -.656288[illegible]4 | 1.5460047 |
| SEX | 1.7[illegible]51411 | .94329094 |
| OCCUP | .2[illegible]10[illegible]756 | .199[illegible]4283 |
| NOINC | 2.5423261 | 2.7191832 |
| ENTAGE | .17851519E-0[illegible] | .94942993E-01 |
| INCOME | .19591511E-03 | .18956230E-03 |
| ETH2 | 4.63293[illegible]8 | 6.7134777 |
| NOOCCUP | -3.5[illegible]13909 | 2.7399411 |
| ETH1 | -3.1588948 | 3.5143897 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .4[illegible]2868216E-01 | .20008959E-01 |
| NOFEW | .99[illegible]8[illegible]774 | .85843952 |
| SEX | -1.2775[illegible]4 | .52309802 |
| OCCUP | .16321160E-01 | .10483290 |
| NOINC | 1.4126641 | 1.5[illegible]79116 |
| ENTAGE | .3494111[illegible]E-01 | .47126961E-01 |
| INCOME | .14721664E-03 | .10512[illegible]97E-03 |
| ETH2 | .26789115 | 3.7229309 |
| NOOCCUP | -2.[illegible]359732 | 1.5194228 |
| ETH1 | .86[illegible]8253 | 1.9488[illegible] |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .57[illegible]23[illegible]52E-01 | .32211852E-01 |
| NOFEW | -.4874[illegible] | 1.3819773 |
| SEX | .3575[illegible]03 | .84217[illegible]56 |
| OCCUP | .24878[illegible]81E-01 | .16876750 |
| NOINC | 2.5[illegible]37219 | 2.4275439 |
| ENTAGE | .4[illegible]31[illegible]25E-01 | .75886349E-01 |
| INCOME | -.8026[illegible]172E-04 | .16923125E-03 |
| ETH2 | -5.7[illegible]99 | 5.9034409 |
| NOOCCUP | -2.[illegible]61[illegible]148 | 2.4460754 |
| ETH1 | 2.5[illegible]275 | 3.1374624 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .11901963E-01 | .11538959E-01 |
| NOFEW | -.289[illegible]7E-01 | .495[illegible]5314 |
| SEX | .11364055 | .3[illegible]146519 |
| OCCUP | -.45113919E-01 | .6[illegible]456046E-01 |
| NOINC | -.41[illegible]261 | .86959695 |
| ENTAGE | .15961664E-01 | .27177628E-01 |
| INCOME | .268[illegible]4055E-04 | .60622173E-04 |
| ETH2 | .37865619 | 2.1469755 |
| NOOCCUP | .46967522 | .87623534 |
| ETH1 | .2337[illegible]172 | 1.1239[illegible]46 |

**COHORT II-EF STUDY**
**Non-Preschool Adjusted**

## Table C5-IIEF-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .15997[illegible]24E-01 | .12483581E-01 |
| NOFEM | .6335[illegible]378 | .53558[illegible]06 |
| SEX | .512[illegible]52[illegible] | .32636064 |
| OCCUP | .15864901E-01 | .63405206E-01 |
| NOINC | 1.3403561 | .94078545 |
| ENTAGE | -.763[illegible]492E-02 | .29402492E-01 |
| INCOME | .5[illegible]28[illegible]2E-04 | .55534933E-04 |
| ETH2 | -2.3300739 | 2.3227350 |
| NOOCCUP | -1.4755512 | .94795/28 |
| ETH1 | .99434[illegible]52 | 1.2159117 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .13[illegible]6228 | .35608578E-01 |
| NOFEM | -1.[illegible]17[illegible]3 | 1.5311384 |
| SEX | .73617329 | .933[illegible]1328 |
| OCCUP | .159[illegible]7177 | .18698317 |
| NOINC | -.479[illegible]2225 | 2.6895563 |
| ENTAGE | .3797454[illegible]E-02 | .84057657E-01 |
| INCOME | .[illegible]2540[illegible]6[illegible]1E-03 | .18749691E-03 |
| ETH2 | 4.8715[illegible]8 | 6.64[illegible]33[illegible]8 |
| NOOCCUP | -.955979[illegible]9 | 2.71[illegible]0880 |
| ETH1 | -.60437[illegible]47 | 3.476[illegible]985 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FE | .02916323E-01 | .26675280E-01 |
| NOFEM | -.49[illegible]8 | 1.1444430 |
| SEX | .75713165 | .69737691 |
| OCCUP | .12129[illegible]1 | .13975975 |
| NOINC | .22138623 | 2.0102977 |
| ENTAGE | -.12476513E-01 | .62828[illegible]99E-01 |
| INCOME | .118844[illegible]E-03 | .1[illegible]014379E-03 |
| ETH2 | 4.[illegible]487849 | 4.9632878 |
| NOOCCUP | -.63213[illegible]55 | 2.[illegible]256441 |
| ETH1 | -1.7111735 | 2.5991954 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .1[illegible]894[illegible]2 | .25710135E-01 |
| NOFEW | -1.[illegible]22119 | 1.1030357 |
| SEX | .3[illegible]115776 | .67214494 |
| OCCUP | -.446[illegible]7[illegible]0E-02 | .13470316 |
| NOINC | .4762[illegible]9 | 1.9375626 |
| ENTAGE | -.9[illegible]963[illegible]0E-02 | .63554900E-01 |
| INCOME | .142[illegible]E-03 | .13507321E-03 |
| ETH2 | 3.632[illegible]2 | 4.7837[illegible]98 |
| NOOCCUP | -1.1[illegible]137[illegible] | 1.9523537 |
| ETH1 | -.077[illegible] | 2.5041895 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .1[illegible]223[illegible]21 | .25529778E-01 |
| NOFEM | -.59576163 | 1.0952978 |
| SEX | .71639[illegible]55 | .66742982 |
| OCCUP | .85936446E-01 | .13375812 |
| NOINC | -.3597927 | 1.9239746 |
| ENTAGE | -.69436230E-01 | .60130106E-01 |
| INCOME | .1[illegible]303210E-03 | .13412567E-03 |
| ETH2 | 7.5248350 | 4.75[illegible]1519 |
| NOOCCUP | -.64955[illegible]21 | 1.9386579 |
| ETH1 | -.568[illegible]1996 | 2.4866225 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .984[illegible]116E-01 | .24443146E-01 |
| NOFEW | -.17[illegible]4376 | 1.0486784 |
| SEX | .9339[illegible]411 | .63912181 |
| OCCUP | .7231[illegible]E-01 | .12806493 |
| NOINC | -.52[illegible]499 | 1.8420609 |
| ENTAGE | -.3474[illegible]E-01 | .57570770E-01 |
| INCOME | .11912517E-03 | .12841684E-03 |
| ETH2 | .123782[illegible]9 | 4.5479698 |
| NOOCCUP | -.191[illegible]147 | 1.8561422 |
| ETH1 | -.34[illegible]15 | 2.38[illegible]7837 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .45772[illegible]57E-01 | .13683531E-01 |
| NOFEM | -.17165952 | .587[illegible]6115 |
| SEX | .53[illegible]97 | .35773112 |
| OCCUP | -.1[illegible]9541[illegible]E-01 | .71692093E-01 |
| NOINC | 1.[illegible]986638 | 1.0312157 |
| ENTAGE | .1[illegible]290095E-01 | .32228721E-01 |
| INCOME | .5559[illegible]59E-04 | .71989195E-04 |
| ETH2 | 2.7148115 | 2.5460[illegible]12 |
| NOOCCUP | -1.1971969 | 1.[illegible]390879 |
| ETH1 | -1.[illegible]32259[illegible] | 1.3327877 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FE | .11892[illegible]43 | .27041874E-01 |
| NOFEW | -.48462[illegible]2 | 1.1631709 |
| SEX | 1.1556341 | .73695[illegible]84 |
| OCCUP | .2123[illegible]177 | .14163044 |
| NOINC | 1.4436723 | 2.[illegible]379249 |
| ENTAGE | -.8513[illegible]13[illegible]E-02 | .53491535E-01 |
| INCOME | .13997[illegible]E-03 | .14205976E-03 |
| ETH2 | 1.9191192 | 5.0314974 |
| NOOCCUP | -2.3[illegible]19[illegible]4[illegible] | 2.0534821 |
| ETH1 | -2.1266259 | 2.6339[illegible]20 |

## Table C6-IIIK-1

## ETHNIC DISTRIBUTION OF CHILDREN
## FOR THE COHORT III KINDERGARTEN SITES
## IN THE BEHAVIOR ANALYSIS MODEL

| | | NEW YORK, NY | | | PHILADELPHIA, PA | | | PORTAGEVILLE, MO | | | TRENTON, NJ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 8.3 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| BLACK | Percent | 65.5 | 80.7 | 53.9 | 99.4 | 95.2 | 100.0 | 25.0 | 27.5 | 0.0 | 93.6 | 89.8 | 87.5 |
| | Number | 38 | 167 | 7 | 175 | 437 | 22 | 11 | 11 | 0 | 103 | 44 | 21 |
| ORIENTAL | Percent | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | 15.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 58.3 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 |
| PUERTO RICAN | Percent | 31.0 | 14.5 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 8.2 | 8.3 |
| | Number | 18 | 30 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 7 | 4 | 2 |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WHITE | Percent | 3.5 | 1.9 | 30.8 | 0.0 | 1.1 | 0.0 | 75.0 | 72.5 | 33.3 | 0.0 | 2.0 | 4.2 |
| | Number | 2 | 4 | 4 | 0 | 5 | 0 | 33 | 29 | 4 | 0 | 1 | 1 |
| OTHER | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BEST MATCHED SITE | | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | |

| | | KANSAS CITY, MO | | | LOUISVILLE, KY | | | WAUKEGAN, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BLACK | Percent | 98.8 | 100.0 | 100.0 | 100.0 | 98.1 | 100.0 | 91.8 | 46.8 | 95.2 |
| | Number | 85 | 22 | 49 | 113 | 104 | 22 | 56 | 22 | 437 |
| ORIENTAL | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 31.9 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 15 | 0 |
| PUERTO RICAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.8 | 3.5 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 16 |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.2 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| WHITE | Percent | 1.2 | 0.0 | 0.0 | 0.0 | 1.9 | 0.0 | 3.3 | 6.4 | 1.1 |
| | Number | 1 | 0 | 0 | 0 | 2 | 0 | 2 | 3 | 5 |
| OTHER | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BEST MATCHED SITE | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C6-IIIK-2

### DISTRIBUTION OF BACKGROUND VARIABLES
### COHORT III KINDERGARTEN CHILDREN
### FOR THE BA MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | PHILADELPHIA, PA | | | PORTAGEVILLE, MO | | | TRENTON, NJ | | | KANSAS CITY, MO | | | LOUISVILLE, KY | | | WAUKEGAN, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| HILDREN IN ANALYTIC SAMPLE | | | | | | | | | | | | | | | | | | | | | | | | |
| Number | — | — | — | 58 | 207 | 13 | 176 | 459 | 22 | 44 | 41 | 12 | 110 | 49 | 24 | 86 | 22 | 49 | 113 | 106 | 22 | 51 | 47 | 459 |
| ALL KINDERGARTEN WRAT | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean Score | 29.0 | 25.5 | — | 35.7 | 31.1 | 37.5 | 29.8 | 26.9 | 27.6 | 36.1 | 25.3 | 36.8 | 26.8 | 24.7 | 26.3 | 26.3 | 27.6 | 30.3 | 23.7 | 17.8 | 27.6 | 24.6 | 25.1 | 26.9 |
| ERCENT WITH PRESCHOOL | 68 | 38 | — | 79 | 48 | 62 | 52 | 28 | 62 | 68 | 49 | 33 | 99 | 28 | 29 | 68 | 62 | 61 | 64 | 48 | 62 | 47 | 4 | 28 |
| Number Responding | — | — | — | 58 | 163 | 13 | 176 | 372 | 21 | 44 | 41 | 12 | 110 | 47 | 24 | 85 | 21 | 36 | 113 | 106 | 21 | 59 | 46 | 372 |
| HILDREN'S ETHNICITY | | | | | | | | | | | | | | | | | | | | | | | | |
| Percent Black | 82 | 77 | — | 66 | 81 | 54 | 99 | 95 | 100 | 25 | 28 | 0 | 94 | 90 | 88 | 99 | 100 | 100 | 100 | 98 | 100 | 92 | 47 | 95 |
| Percent White | 12 | 12 | — | 3 | 2 | 31 | 0 | 1 | 0 | 75 | 73 | 33 | 0 | 2 | 4 | 1 | 0 | 0 | 0 | 2 | 0 | 3 | 6 | 1 |
| Percent Other | 6 | 11 | — | 31 | 17 | 15 | 1 | 4 | 0 | 0 | 0 | 67 | 6 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 47 | 4 |
| EDIAN FAMILY INCOME | 3909 | 4962 | — | 4200 | 5775 | 5000 | 4334 | 5300 | 3800 | 4700 | 3240 | 6800 | 3850 | 5300 | 4400 | 2600 | 3800 | 2500 | 3280 | 3220 | 3800 | 4400 | 8100 | 5300 |
| Number Responding | — | — | — | 39 | 39 | 10 | 89 | 54 | 21 | 41 | 41 | 11 | 52 | 28 | 24 | 49 | 21 | 31 | 51 | 56 | 21 | 33 | 42 | 54 |
| OTHER'S EDUCATION | | | | | | | | | | | | | | | | | | | | | | | | |
| Percent H.S. Graduates | 42 | 33 | — | 51 | 33 | 50 | 39 | 37 | 21 | 37 | 29 | 70 | 25 | 46 | 25 | 38 | 21 | 47 | 51 | 47 | 21 | 51 | 20 | 37 |
| Number Responding | — | — | — | 37 | 46 | 10 | 85 | 54 | 14 | 41 | 38 | 10 | 52 | 26 | 24 | 45 | 14 | 30 | 43 | 55 | 14 | 37 | 44 | 54 |
| FEMALE HEADS OF HOUSEHOLD | | | | | | | | | | | | | | | | | | | | | | | | |
| Percent | 44 | 32 | — | 44 | 30 | 33 | 46 | 48 | 29 | 7 | 10 | 17 | 56 | 38 | 50 | 66 | 29 | 71 | 40 | 47 | 29 | 50 | 20 | 48 |
| BEST MATCHED SITE | | | | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

## Table C6-IIIK-3

## TEACHER BACKGROUND CHARACTERISTICS FOR COHORT III-K SITES IN BA MODEL

| | New York, NY | | Philadelphia, PA | | Portageville, MO | | Trenton, NJ | | Kansas City, MO | | Louisville, KY | | Waukegan, IL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| YEARS OF ELEMENTARY TEACHING EXPERIENCE | | | | | | | | | | | | | | |
| Mean | 6.75 | 12.63 | 12.64 | 7.51 | 9.00 | 16.20 | 5.87 | 12.23 | 7.66 | 11.83 | 10.33 | 6.44 | 2.66 | 14.00 |
| Standard Deviation | 3.50 | 10.11 | 10.11 | 7.20 | 10.86 | 15.22 | 4.58 | 7.52 | 4.08 | 10.12 | 9.87 | 6.34 | 0.57 | 12.28 |
| N | 4 | 11 | 11 | 55 | 4 | 5 | 8 | 13 | 6 | 3 | 6 | 18 | 3 | 3 |
| YEARS IN SCHOOL | | | | | | | | | | | | | | |
| Mean | 5.00 | 9.54 | 9.55 | 5.57 | 5.50 | 11.40 | 5.25 | 5.38 | 9.16 | 5.83 | 9.08 | 3.38 | 2.66 | 6.33 |
| Standard Deviation | 3.74 | 6.94 | 6.95 | 6.03 | 1.29 | 13.61 | 4.33 | 3.09 | 17.10 | 7.97 | 10.13 | 4.31 | 0.57 | 1.15 |
| N | 4 | 11 | 11 | 54 | 4 | 5 | 8 | 13 | 6 | 3 | 6 | 18 | 3 | 3 |
| YEARS IN MODEL | | | | | | | | | | | | | | |
| Mean | 3.12 | 3.41 | 3.42 | 1.93 | 3.62 | 0 | 3.00 | 0.60 | 7.08 | 0 | 2.91 | 0.50 | 2.66 | 0.50 |
| Standard Deviation | 1.75 | 1.24 | 1.24 | 5.55 | 2.28 | 0 | 1.19 | 0.22 | 12.73 | 0 | 1.80 | 0 | 0.57 | 0 |
| N | 4 | 12 | 12 | 15 | 4 | 0 | 8 | 5 | 6 | 0 | 6 | 1 | 3 | 1 |
| TEACHER'S EDUCATION | | | | | | | | | | | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % with B.A. | 0 | 16.7 | 16.7 | 32.1 | 75.0 | 60.0 | 75.0 | 53.8 | 50.0 | 66.7 | 0 | 22.2 | 66.7 | 66.7 |
| % Some Graduate | 0 | 50.0 | 50.0 | 53.6 | 25.0 | 40.0 | 25.0 | 38.5 | 33.3 | 33.3 | 83.3 | 72.2 | 33.3 | 33.3 |
| % M.A. or More | 100.0 | 33.3 | 33.3 | 14.3 | 0 | 0 | 0 | 7.7 | 16.7 | 0 | 16.7 | 5.6 | 0 | 0 |
| N | 4 | 12 | 12 | 56 | 4 | 5 | 8 | 13 | 6 | 3 | 6 | 18 | 3 | 3 |
| TEACHER'S CERTIFICATION | | | | | | | | | | | | | | |
| % None | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Temporary | 0 | 18.2 | 18.2 | 30.9 | 25.0 | 0 | 0 | 0 | 0 | 0 | 40.0 | 44.4 | 0 | 0 |
| % Renewable/Permanent | 100.0 | 81.8 | 81.8 | 69.1 | 75.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 60.0 | 55.6 | 100.0 | 100.0 |
| N | 4 | 11 | 11 | 55 | 4 | 5 | 8 | 13 | 6 | 3 | 5 | 18 | 3 | 3 |
| TEACHER'S ETHNICITY | | | | | | | | | | | | | | |
| % White | 100.0 | 27.3 | 72.7 | 36.8 | 100.0 | 80.0 | 28.6 | 61.5 | 66.7 | 66.7 | 33.3 | 72.2 | 33.3 | 66.7 |
| % Black | 0 | 72.7 | 27.3 | 61.4 | 0 | 20.0 | 71.4 | 38.5 | 33.3 | 33.3 | 66.7 | 27.8 | 66.7 | 33.3 |
| % Spanish Surname | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Other | 0 | 0 | 0 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N | 3 | 11 | 11 | 57 | 4 | 5 | 7 | 13 | 6 | 3 | 6 | 18 | 3 | 3 |
| AGE IN YEARS | | | | | | | | | | | | | | |
| Mean | 35.66 | 34.85 | 34.85 | 33.53 | 31.75 | 43.40 | 34.57 | 41.00 | 37.16 | 40.66 | 41.50 | 31.38 | 23.66 | 35.0 |
| Standard Deviation | 17.61 | 11.12 | 11.13 | 10.91 | 11.50 | 19.78 | 13.51 | 11.76 | 8.90 | 14.46 | 11.46 | 12.30 | 1.52 | 5.65 |
| N | 3 | 7 | 7 | 54 | 4 | 5 | 7 | 13 | 6 | 3 | 6 | 18 | 3 | 2 |

## Table C6-IIIK-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1975) FOR THE COHORT III KINDERGARTEN SITES IN THE BA MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | PHILADELPHIA, PA | | | PORTAGEVILLE, MO | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| TEACHER CENTERED | 53.7 | 52.5 | — | 51.1 | 52.6 | 53.3 | 52.9 | 51.5 | 54.7 | 50.1 | 51.5 | 54.7 |
| Number | 7 | 7 | — | 4 | 20 | 2 | 11 | 57 | 3 | 4 | 5 | 3 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | -4.6 | — | — |
| FLEXIBLE CLASSROOM | 48.8 | 46.9 | — | 42.3 | 47.6 | 40.4 | 51.5 | 45.5 | 46.6 | 45.0 | 41.5 | 58.9 |
| Number | 7 | 7 | — | 4 | 20 | 2 | 11 | 57 | 3 | 4 | 5 | 3 |
| Local Mean Difference | — | — | — | -5.4 | — | — | 6.0 | — | — | 3.5 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 4.9 | — | — | -13.9 | — | — |
| INDIVIDUALIZATION | 53.9 | 43.9 | — | 58.9 | 44.8 | 43.8 | 53.9 | 41.5 | 43.8 | 42.6 | 38.5 | 48.4 |
| Number | 7 | 7 | — | 4 | 20 | 2 | 11 | 57 | 3 | 4 | 5 | 3 |
| Local Mean Difference | 9.9 | — | — | 14.0 | — | — | 12.4 | — | — | 4.1 | — | — |
| Best Match Mean Difference | — | — | — | 15.1 | — | — | 10.1 | — | — | -5.8 | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 54.0 | 50.3 | — | 65.1 | 50.3 | 45.8 | 50.5 | 48.6 | 43.6 | 54.2 | 49.9 | 44.7 |
| Number | 7 | 7 | — | 4 | 18 | 2 | 10 | 57 | 3 | 4 | 5 | 3 |
| Local Mean Difference | 3.8 | — | — | 14.9 | — | — | — | — | — | 4.4 | — | — |
| Best Match Mean Difference | — | — | — | 19.3 | — | — | 7.0 | — | — | 9.5 | — | — |
| SATISFACTION WITH SPONSOR | 52.6 | 43.7 | — | 46.5 | 48.0 | 52.7 | 54.8 | 49.0 | 44.3 | 53.1 | 40.5 | 48.5 |
| Number | 7 | 6 | — | 4 | 7 | 2 | 12 | 32 | 2 | 4 | 2 | 1 |
| Local Mean Difference | 8.9 | — | — | — | — | — | 5.8 | — | — | 12.6 | — | — |
| Best Match Mean Difference | — | — | — | -6.2 | — | — | 10.5 | — | — | 4.6 | — | — |
| BEST MATCHED SITE | | | | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | |

| | TRENTON, NJ | | | KANSAS CITY, MO | | | LOUISVILLE, KY | | | WAUKEGAN, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| TEACHER CENTERED | 51.1 | 52.0 | 56.8 | 51.8 | 54.7 | 51.1 | 59.7 | 54.6 | 54.7 | 58.9 | 50.4 | 51.5 |
| Number | 8 | 13 | 6 | 6 | 3 | 14 | 6 | 18 | 3 | 3 | 3 | 57 |
| Local Mean Difference | — | — | — | -2.8 | — | — | 5.0 | — | — | 8.5 | — | — |
| Best Match Mean Difference | -5.7 | — | — | — | — | — | 5.0 | — | — | 7.4 | — | — |
| FLEXIBLE CLASSROOM | 54.7 | 48.4 | 44.7 | 44.7 | 46.6 | 42.8 | 54.2 | 45.7 | 46.6 | 49.0 | 52.7 | 45.5 |
| Number | 8 | 13 | 6 | 6 | 3 | 14 | 6 | 18 | 3 | 3 | 3 | 57 |
| Local Mean Difference | 6.3 | — | — | — | — | — | 8.5 | — | — | -3.7 | — | — |
| Best Match Mean Difference | 10.0 | — | — | — | — | — | 7.7 | — | — | 3.5 | — | — |
| INDIVIDUALIZATION | 60.6 | 47.1 | 46.1 | 49.2 | 43.8 | 44.1 | 55.7 | 51.0 | 43.8 | 56.1 | 40.7 | 41.5 |
| Number | 8 | 13 | 6 | 6 | 3 | 14 | 6 | 18 | 3 | 3 | 3 | 57 |
| Local Mean Difference | 13.5 | — | — | 5.4 | — | — | 4.7 | — | — | 15.5 | — | — |
| Best Match Mean Difference | 14.5 | — | — | 5.1 | — | — | 11.9 | — | — | 14.6 | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 46.2 | 53.9 | 50.7 | 49.2 | 43.6 | 50.9 | 57.0 | 52.0 | 43.6 | 55.9 | 53.7 | 48.6 |
| Number | 8 | 10 | 6 | 6 | 3 | 14 | 6 | 18 | 3 | 3 | 3 | 57 |
| Local Mean Difference | -7.7 | — | — | 5.6 | — | — | 5.0 | — | — | — | — | — |
| Best Match Mean Difference | -4.5 | — | — | — | — | — | 13.5 | — | — | 7.3 | — | — |
| SATISFACTION WITH SPONSOR | 48.1 | 38.4 | 51.0 | 59.0 | 44.3 | 45.6 | 48.4 | 42.2 | 44.3 | 58.4 | — | 49.0 |
| Number | 8 | 12 | 2 | 6 | 2 | 8 | 6 | 9 | 2 | 3 | 0 | 32 |
| Local Mean Difference | 9.7 | — | — | 14.8 | — | — | 6.2 | — | — | — | — | — |
| Best Match Mean Difference | -2.9 | — | — | 13.5 | — | — | 4.1 | — | — | 9.4 | — | — |
| BEST MATCHED SITE | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

## Table C6-IIIK-5

STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1975)
FOR THE COHORT III KINDERGARTEN SITES
IN THE BA MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | PHILADELPHIA, PA | | | PORTAGEVILLE, MO | | | TRENTON, NJ | | | KANSAS CITY, MO | | | LOUISVILLE, KY | | | WAUKEGAN, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 48.4 | 47.8 | — | 53.1 | 51.9 | 52.2 | 50.1 | 50.9 | 41.9 | 45.1 | 42.1 | 48.8 | 53.5 | 50.4 | 49.6 | 39.4 | 41.9 | 48.4 | 46.3 | 49.8 | 41.9 | 51.3 | 47.7 | 50.9 |
| Number | 7 | 7 | — | 46 | 125 | 12 | 37 | 133 | 22 | 29 | 29 | 12 | 23 | 23 | 23 | 23 | 22 | 29 | 32 | 34 | 22 | 28 | 29 | 133 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | 3.1 | — | — | 3.1 | — | — | -2.6 | — | — | -3.5 | — | — | 3.6 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 8.2 | — | — | -3.7 | — | — | 4.9 | — | — | -9.1 | — | — | 4.4 | — | — | — | — | — |
| SCHOOL HELPED CHILD | 50.6 | 48.9 | — | 49.2 | 49.2 | 47.6 | 47.7 | 47.2 | 48.6 | 48.4 | 48.8 | 54.4 | 52.8 | 50.0 | 44.8 | 50.9 | 48.6 | 48.0 | 50.3 | 48.3 | 48.6 | 54.8 | 49.9 | 47.2 |
| Number | 7 | 7 | — | 46 | 124 | 12 | 37 | 133 | 22 | 29 | 29 | 12 | 23 | 23 | 23 | 23 | 22 | 29 | 32 | 34 | 22 | 28 | 29 | 133 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | 2.8 | — | — | — | — | — | — | — | — | 4.9 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | -6.0 | — | — | 8.0 | — | — | 3.0 | — | — | — | — | — | 7.6 | — | — |
| PAC INVOLVEMENT | 54.7 | 45.6 | — | 57.9 | 45.2 | 45.9 | 53.9 | 45.2 | 45.3 | 53.5 | 43.1 | 47.1 | 54.1 | 47.4 | 43.1 | 53.4 | 45.3 | 43.9 | 55.7 | 49.5 | 45.3 | 54.6 | 43.3 | 45.2 |
| Number | 7 | 7 | — | 40 | 99 | 11 | 34 | 128 | 22 | 29 | 29 | 11 | 22 | 22 | 22 | 22 | 22 | 25 | 25 | 27 | 22 | 27 | 29 | 128 |
| Local Mean Difference | 9.1 | — | — | 12.6 | — | — | 8.8 | — | — | 10.4 | — | — | 6.7 | — | — | 8.1 | — | — | 6.2 | — | — | 11.3 | — | — |
| Best Match Mean Difference | — | — | — | 12.0 | — | — | 8.7 | — | — | 6.4 | — | — | 11.0 | — | — | 9.5 | — | — | 10.4 | — | — | 9.4 | — | — |
| CHILD READS AT HOME | 50.0 | 49.7 | — | 50.8 | 52.6 | 45.7 | 51.5 | 50.3 | 52.0 | 50.0 | 44.5 | 49.8 | 49.1 | 49.2 | 50.2 | 51.1 | 52.0 | 52.9 | 48.3 | 50.9 | 52.0 | 48.8 | 48.6 | 50.3 |
| Number | 7 | 7 | — | 46 | 125 | 12 | 37 | 133 | 22 | 29 | 29 | 12 | 23 | 23 | 23 | 23 | 22 | 29 | 32 | 34 | 22 | 28 | 29 | 133 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | 5.5 | — | — | — | — | — | — | — | — | -2.6 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 5.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | -3.7 | — | — | — | — | — |
| CHILD'S PROG IN SCHOOL | 49.1 | 47.9 | — | 50.0 | 50.6 | 53.0 | 47.1 | 47.8 | 47.4 | 45.8 | 45.9 | 52.4 | 52.0 | 47.4 | 42.1 | 48.9 | 47.4 | 45.9 | 50.7 | 47.8 | 47.4 | 49.4 | 48.0 | 47.8 |
| Number | 7 | 7 | — | 46 | 125 | 12 | 37 | 133 | 22 | 29 | 29 | 12 | 23 | 23 | 23 | 23 | 22 | 29 | 32 | 34 | 22 | 28 | 29 | 133 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | 4.6 | — | — | — | — | — | 2.9 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -3.0 | — | — | — | — | — | -6.6 | — | — | 9.9 | — | — | 2.9 | — | — | 3.4 | — | — | — | — | — |
| CHILD READ TO AT HOME | 49.0 | 50.5 | — | 50.7 | 51.8 | 40.5 | 49.5 | 52.0 | 50.0 | 47.6 | 47.7 | 48.3 | 49.5 | 51.5 | 47.6 | 47.3 | 50.0 | 52.2 | 51.0 | 51.2 | 50.0 | 47.4 | 49.4 | 52.0 |
| Number | 7 | 7 | — | 46 | 125 | 12 | 37 | 133 | 22 | 29 | 29 | 12 | 23 | 23 | 23 | 23 | 22 | 29 | 32 | 34 | 22 | 28 | 29 | 133 |
| Local Mean Difference | — | — | — | — | — | — | -2.5 | — | — | — | — | — | — | — | — | -2.7 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 10.2 | — | — | — | — | — | — | — | — | — | — | — | -4.9 | — | — | — | — | — | -4.6 | — | — |
| PARENT VISITS TO SCHOOL | 49.8 | 49.0 | — | 51.1 | 50.7 | 44.6 | 49.5 | 49.6 | 52.8 | 47.3 | 44.9 | 48.9 | 56.2 | 49.1 | 50.4 | 48.4 | 52.8 | 50.6 | 47.4 | 48.7 | 52.8 | 49.0 | 47.4 | 49.6 |
| Number | 7 | 7 | — | 46 | 125 | 12 | 37 | 133 | 22 | 29 | 29 | 12 | 23 | 23 | 23 | 23 | 22 | 29 | 32 | 34 | 22 | 28 | 29 | 133 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | 7.0 | — | — | -4.4 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 6.5 | — | — | -3.4 | — | — | — | — | — | 5.7 | — | — | — | — | — | -5.5 | — | — | — | — | — |
| CHILD'S EMOT ADJUST | 50.9 | 49.8 | — | 45.1 | 51.5 | 48.3 | 51.2 | 49.5 | 48.5 | 49.5 | 48.1 | 45.3 | 53.1 | 52.4 | 49.2 | 51.9 | 48.5 | 51.7 | 51.7 | 48.7 | 48.5 | 54.1 | 50.3 | 49.5 |
| Number | 7 | 7 | — | 46 | 124 | 12 | 37 | 133 | 22 | 29 | 29 | 12 | 23 | 23 | 23 | 23 | 22 | 29 | 32 | 34 | 22 | 28 | 29 | 133 |
| Local Mean Difference | — | — | — | -6.4 | — | — | — | — | — | — | — | — | — | — | — | 3.5 | — | — | 3.0 | — | — | 3.8 | — | — |
| Best Match Mean Difference | — | — | — | -3.2 | — | — | 7.7 | — | — | 4.2 | — | — | 4.0 | — | — | — | — | — | 3.2 | — | — | 4.6 | — | — |
| SCH HELPED WITH CHILD | 52.6 | 48.1 | — | 52.5 | 49.3 | 47.3 | 54.1 | 48.8 | 44.8 | 46.9 | 41.5 | 47.8 | 55.8 | 54.3 | 46.5 | 49.9 | 44.8 | 48.3 | 52.0 | 49.9 | 44.8 | 56.7 | 48.2 | 48.8 |
| Number | 7 | 7 | — | 45 | 124 | 12 | 37 | 133 | 22 | 29 | 29 | 12 | 23 | 23 | 23 | 23 | 22 | 29 | 32 | 33 | 22 | 24 | 29 | 133 |
| Local Mean Difference | 4.4 | — | — | 3.2 | — | — | 5.2 | — | — | 5.4 | — | — | — | — | — | 5.1 | — | — | — | — | — | 8.5 | — | — |
| Best Match Mean Difference | — | — | — | 5.2 | — | — | 9.2 | — | — | — | — | — | 9.3 | — | — | — | — | — | 7.2 | — | — | 7.9 | — | — |
| SCHOOL'S RECEPTIVITY | 49.7 | 49.5 | — | 51.7 | 51.7 | 49.9 | 49.9 | 47.1 | 50.1 | 47.9 | 50.2 | 47.5 | 51.2 | 46.8 | 47.7 | 52.5 | 50.1 | 48.9 | 46.1 | 49.6 | 50.1 | 46.8 | 50.9 | 47.1 |
| Number | 7 | 7 | — | 46 | 124 | 12 | 37 | 132 | 22 | 29 | 27 | 12 | 23 | 23 | 23 | 23 | 22 | 29 | 32 | 34 | 22 | 28 | 29 | 132 |
| Local Mean Difference | — | — | — | — | — | — | 2.8 | — | — | — | — | — | 4.4 | — | — | — | — | — | — | — | — | -4.1 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | 3.5 | — | — | 3.6 | — | — | — | — | — | — | — | — |
| PARENT LOCUS | 51.3 | 50.9 | — | 53.6 | 49.8 | 49.9 | 48.4 | 50.7 | 50.3 | 49.7 | 49.7 | 49.8 | 52.9 | 54.4 | 51.3 | 48.4 | 50.3 | 53.4 | 52.2 | 52.1 | 50.3 | 54.0 | 49.0 | 50.7 |
| Number | 7 | 7 | — | 46 | 125 | 12 | 37 | 132 | 22 | 29 | 29 | 12 | 23 | 23 | 23 | 23 | 22 | 29 | 32 | 34 | 22 | 28 | 29 | 132 |
| Local Mean Difference | — | — | — | 3.8 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 5.1 | — | — |
| Best Match Mean Difference | — | — | — | 3.7 | — | — | — | — | — | — | — | — | — | — | — | -5.0 | — | — | — | — | — | 3.3 | — | — |
| SCH HELPED PERSONALLY | 53.0 | 47.8 | — | 53.8 | 46.8 | 47.8 | 50.7 | 49.1 | 48.8 | 50.0 | 45.0 | 45.3 | 58.7 | 50.5 | 47.3 | 49.5 | 48.8 | 47.4 | 54.5 | 48.4 | 46.8 | 53.6 | 46.1 | 49.1 |
| Number | 7 | 7 | — | 46 | 125 | 12 | 37 | 133 | 22 | 29 | 29 | 12 | 23 | 23 | 23 | 23 | 22 | 29 | 32 | 34 | 22 | 28 | 29 | 133 |
| Local Mean Difference | 5.2 | — | — | 6.9 | — | — | — | — | — | 5.1 | — | — | 8.3 | — | — | — | — | — | 6.1 | — | — | 7.6 | — | — |
| Best Match Mean Difference | — | — | — | 6.0 | — | — | — | — | — | 4.8 | — | — | 11.4 | — | — | — | — | — | 5.7 | — | — | 4.5 | — | — |
| PARENT-CHILD INTERACTION | 51.9 | 49.8 | — | 53.3 | 54.1 | 46.2 | 55.0 | 51.6 | 46.7 | 49.7 | 43.6 | 49.2 | 50.4 | 53.7 | 47.7 | 50.5 | 46.7 | 46.6 | 51.5 | 51.1 | 46.7 | 53.1 | 47.7 | 51.6 |
| Number | 7 | 7 | — | 46 | 125 | 12 | 37 | 133 | 22 | 29 | 29 | 12 | 23 | 23 | 23 | 23 | 22 | 29 | 32 | 34 | 22 | 28 | 29 | 133 |
| Local Mean Difference | — | — | — | — | — | — | 3.3 | — | — | 6.0 | — | — | -3.3 | — | — | 3.8 | — | — | — | — | — | 5.4 | — | — |
| Best Match Mean Difference | — | — | — | 7.2 | — | — | 8.3 | — | — | — | — | — | 2.6 | — | — | 3.9 | — | — | 4.8 | — | — | — | — | — |
| BEST MATCHED SITE | | | | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

## Table C6-IIIK-6

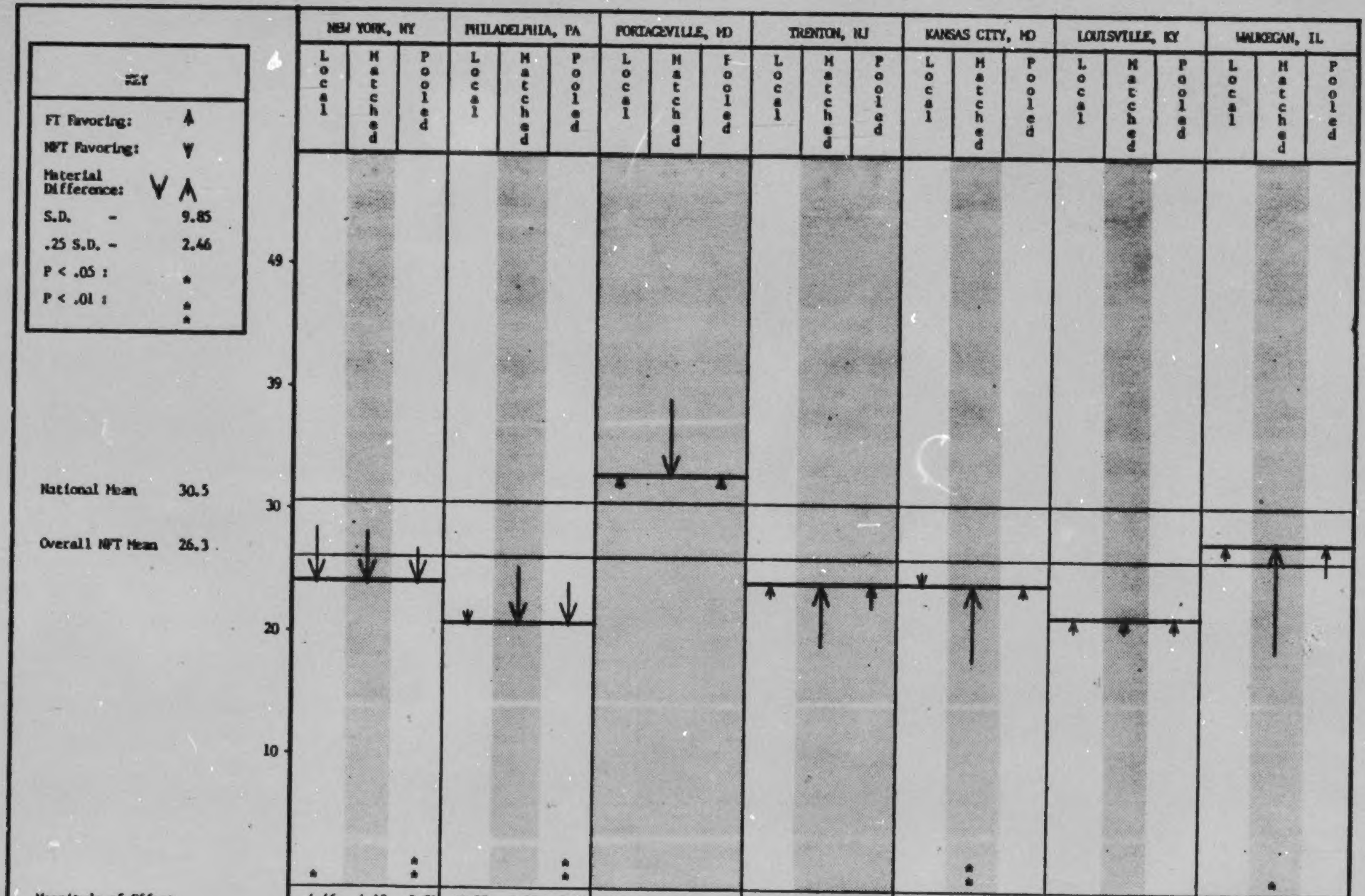
## PROPORTION OF ATTRITION AND DESCRIPTIVE INFORMATION FOR BEHAVIOR ANALYSIS MODEL

| | | New York, NY | | Philadelphia, PA | | Portageville, MO | | Trenton, NJ | | Kansas City, MO | | Louisville, KY | | Waukegan, IL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| **NUMBER** | | | | | | | | | | | | | | | |
| Total Registration | N | 128 | 764 | 355 | 1686 | 107 | 93 | 237 | 219 | 187 | 115 | 213 | 193 | 160 | 103 |
| Children Retained (Analytic Sample) | N | 53 | 207 | 176 | 459 | 44 | 41 | 110 | 49 | 86 | 22 | 113 | 106 | 61 | 47 |
| Children Not Retained (Program and Sample Attrition) | N | 70 | 557 | 179 | 1227 | 63 | 52 | 127 | 170 | 101 | 93 | 100 | 87 | 99 | 56 |
| | %* | 55 | 73 | 50 | 73 | 59 | 56 | 54 | 78 | 54 | 81 | 47 | 45 | 62 | 54 |
| Children Not Retained (Sample Attrition) | N | 6 | 90 | 14 | 252 | 2 | 2 | 33 | 22 | 16 | 16 | 11 | 24 | 4 | 13 |
| | %* | 5 | 12 | 4 | 15 | 2 | 2 | 14 | 10 | 9 | 14 | 5 | 12 | 3 | 13 |
| **WRAT** | | | | | | | | | | | | | | | |
| Total Registration | Mean | 34.8 | 31.5 | 29.1 | 26.5 | 32.6 | 22.7 | 25.6 | 22.5 | 25.9 | 24.2 | 22.8 | 17.2 | 27.3 | 23.0 |
| | Standard Deviation | 12.1 | 13.7 | 12.0 | 12.1 | 12.5 | 14.2 | 10.3 | 9.9 | 10.1 | 10.9 | 11.1 | 9.6 | 14.6 | 12.3 |
| | Number | 99 | 669 | 292 | 1439 | 96 | 81 | 206 | 151 | 156 | 84 | 196 | 186 | 151 | 98 |
| Children Retained (Analytic Sample) | Mean | 35.7 | 31.1 | 29.8 | 26.9 | 36.1 | 25.3 | 26.8 | 24.7 | 26.3 | 27.5 | 23.7 | 17.8 | 24.6 | 25.1 |
| | Standard Deviation | 10.9 | 12.4 | 11.4 | 11.4 | 11.8 | 13.5 | 10.3 | 9.6 | 9.5 | 13.3 | 11.4 | 9.0 | 11.3 | 11.7 |
| | Number | 49 | 198 | 146 | 438 | 44 | 40 | 101 | 47 | 79 | 22 | 108 | 105 | 60 | 47 |
| Children Not Retained (Program and Sample Attrition) | Mean | 33.9 | 31.7 | 28.5 | 26.3 | 29.7 | 20.2 | 24.5 | 21.6 | 25.4 | 23.0 | 21.8 | 1.64 | 29.1 | 21.0 |
| | Standard Deviation | 13.2 | 14.2 | 12.5 | 12.3 | 12.3 | 14.6 | 10.3 | 10.0 | 10.8 | 9.9 | 10.8 | 10.3 | 16.3 | 12.6 |
| | Number | 50 | 471 | 145 | 1001 | 52 | 41 | 105 | 104 | 77 | 62 | 88 | 81 | 91 | 51 |
| Children Not Retained (Sample Attrition) | Mean | 31.1 | 29.3 | 22.2 | 27.5 | 31.0 | 16.5 | 22.2 | 18.4 | 21.4 | 26.9 | 14.0 | 17.4 | 16.2 | 21.4 |
| | Standard Deviation | 20.6 | 15.5 | 18.5 | 12.2 | 15.5 | 9.1 | 10.1 | 13.9 | 10.7 | 10.3 | 12.3 | 10.1 | 12.9 | 14.3 |
| | Number | 6 | 89 | 14 | 244 | 2 | 2 | 33 | 22 | 16 | 16 | 11 | 23 | 4 | 13 |
| **INCOME** | | | | | | | | | | | | | | | |
| Total Registration | Mean | 4440 | 5934 | 5010 | 5605 | 5282 | 4227 | 4582 | 4972 | 3520 | 4413 | 3910 | 4510 | 5804 | 7225 |
| | Standard Deviation | 2151 | 2509 | 2663 | 2634 | 3208 | 2987 | 2285 | 2541 | 2100 | 2629 | 2404 | 2982 | 3150 | 2973 |
| | Number | 91 | 216 | 174 | 232 | 85 | 84 | 97 | 94 | 97 | 79 | 105 | 99 | 86 | 79 |
| Children Retained (Analytic Sample) | Mean | 4646 | 6090 | 4843 | 5407 | 5332 | 4405 | 4290 | 5882 | 3733 | 4538 | 4104 | 4743 | 4988 | 7493 |
| | Standard Deviation | 2433 | 2255 | 2610 | 2789 | 3103 | 2964 | 2223 | 2617 | 2393 | 2853 | 2379 | 3052 | 3260 | 2836 |
| | Number | 39 | 39 | 89 | 54 | 41 | 41 | 52 | 28 | 49 | 21 | 51 | 56 | 33 | 12 |
| Children Not Retained (Program and Sample Attrition) | Mean | 4285 | 5900 | 5185 | 5665 | 5236 | 4058 | 4920 | 4586 | 3302 | 4367 | 3728 | 4207 | 6313 | 6921 |
| | Standard Deviation | 1923 | 2566 | 2722 | 2608 | 3338 | 3034 | 2332 | 2426 | 1752 | 2568 | 2436 | 2895 | 2999 | 3162 |
| | Number | 52 | 177 | 85 | 178 | 44 | 43 | 45 | 66 | 48 | 58 | 54 | 43 | 53 | 37 |
| Children Not Retained (Sample Attrition) | Mean | 4620 | 5881 | 5366 | 5855 | 7700 | 3600 | 4472 | 4238 | 2860 | 5207 | 2728 | 3830 | 5200 | 6155 |
| | Standard Deviation | 2374 | 2489 | 3952 | 2538 | 2121 | 2969 | 1883 | 2039 | 1260 | 2562 | 1501 | 2700 | 0 | 3728 |
| | Number | 5 | 58 | 6 | 58 | 2 | 2 | 11 | 13 | 10 | 14 | 7 | 13 | 1 | 9 |

*Percent of Total Registration.

## Table C6-IIIK-7

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT WORD KNOWLEDGE FOR COHORT III KINDERGARTEN SITES IN THE BA MODEL



| | NEW YORK, NY Local | NEW YORK, NY Matched | NEW YORK, NY Pooled | PHILADELPHIA, PA Local | PHILADELPHIA, PA Matched | PHILADELPHIA, PA Pooled | PORTAGEVILLE, MO Local | PORTAGEVILLE, MO Matched | PORTAGEVILLE, MO Pooled | TRENTON, NJ Local | TRENTON, NJ Matched | TRENTON, NJ Pooled | KANSAS CITY, MO Local | KANSAS CITY, MO Matched | KANSAS CITY, MO Pooled | LOUISVILLE, KY Local | LOUISVILLE, KY Matched | LOUISVILLE, KY Pooled | WAUKEGAN, IL Local | WAUKEGAN, IL Matched | WAUKEGAN, IL Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -4.46 | -4.13 | -2.81 | -0.88 | -4.53 | -3.31 | 1.00 | -6.06 | 1.05 | 0.88 | 4.82 | 1.70 | -0.12 | 6.12 | 0.62 | 0.22 | 0.43 | 1.06 | 0.72 | 8.63 | 2.35 |
| Standard Error | 2.05 | 4.23 | 1.08 | 1.25 | 2.93 | 0.67 | 2.95 | 4.11 | 1.04 | 2.32 | 3.34 | 0.88 | 3.23 | 2.08 | 0.93 | 1.83 | 3.11 | 0.81 | 2.75 | 3.43 | 1.30 |
| FT Mean | 23.95 | | | 20.65 | | | 32.61 | | | 23.92 | | | 24.04 | | | 21.34 | | | 27.49 | | |
| No. of FT Children | 58 | | | 176 | | | 44 | | | 110 | | | 86 | | | 113 | | | 61 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

## Table C6-IIIK-8

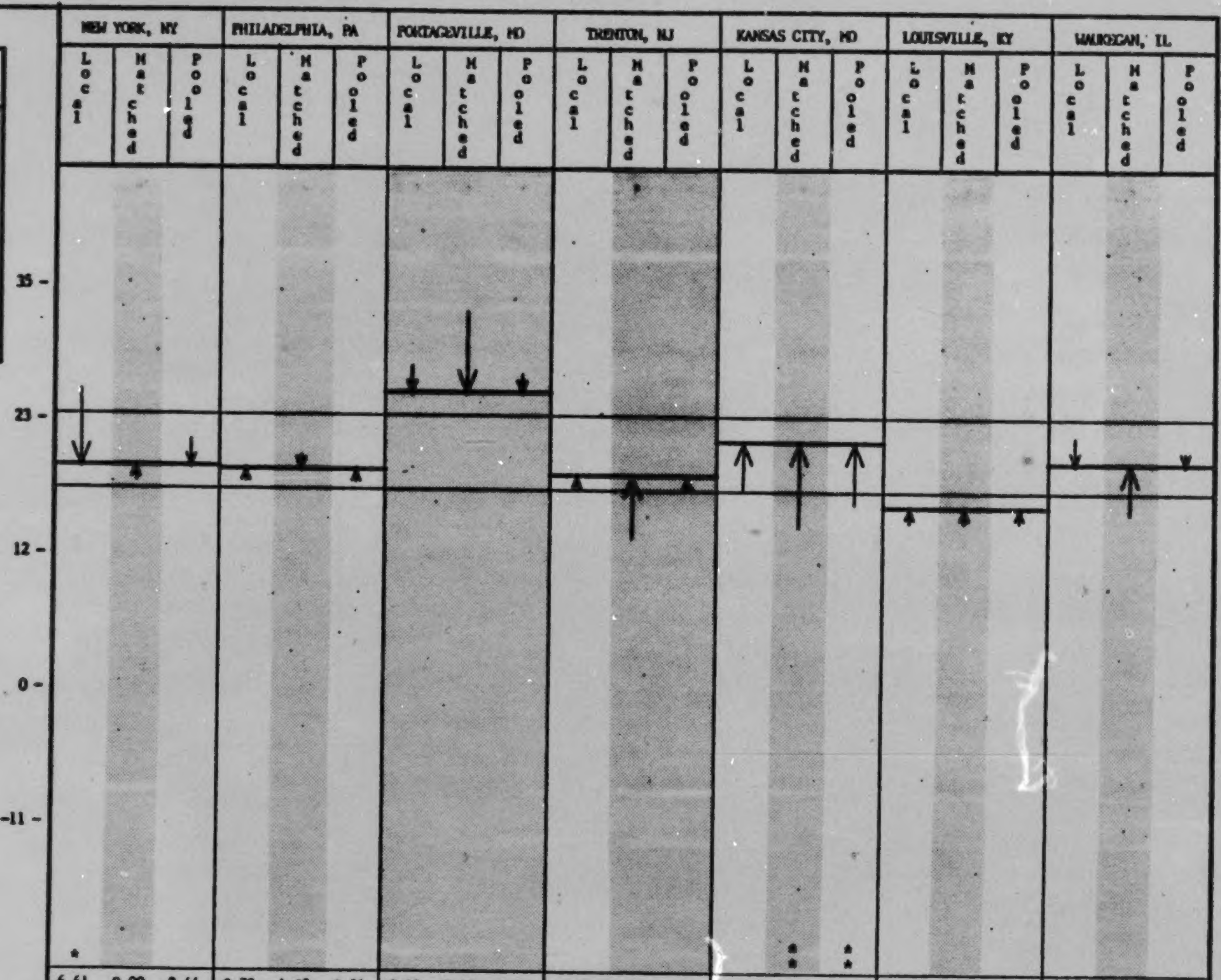
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT
### ON THE MAT SPELLING
### FOR COHORT III KINDERGARTEN SITES
### IN THE RA MODEL

**KEY**

FT Favoring: ▲
NFT Favoring: ▼
Material Difference: ⋁ ⋀
S.D. - 11.60
.25 S.D. - 2.90
P < .05 : *
P < .01 : **

National Mean 24.0

Overall NFT Mean 18.4



| | NEW YORK, NY | | | PHILADELPHIA, PA | | | PORTAGEVILLE, MO | | | TRENTON, NJ | | | KANSAS CITY, MO | | | LOUISVILLE, KY | | | WAUKEGAN, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -6.61 | 0.99 | -2.44 | 0.72 | -1.05 | 0.31 | -2.42 | -7.15 | -1.59 | 0.06 | 5.40 | 0.93 | 4.36 | 7.33 | 5.35 | 0.37 | 1.32 | 1.24 | -2.40 | 4.16 | -1.03 |
| Standard Error | 2.62 | 5.92 | 1.55 | 1.59 | 3.62 | 0.82 | 3.76 | 4.36 | 1.17 | 2.96 | 4.13 | 1.08 | 4.13 | 2.72 | 1.13 | 2.34 | 4.13 | 1.08 | 3.50 | 4.41 | 1.32 |
| FT Mean | 19.64 | | | 19.49 | | | 26.11 | | | 19.07 | | | 22.04 | | | 16.44 | | | 20.23 | | |
| No. of FT Children | 58 | | | 176 | | | 44 | | | 110 | | | 86 | | | 113 | | | 61 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

## Table C6-IIIK-9

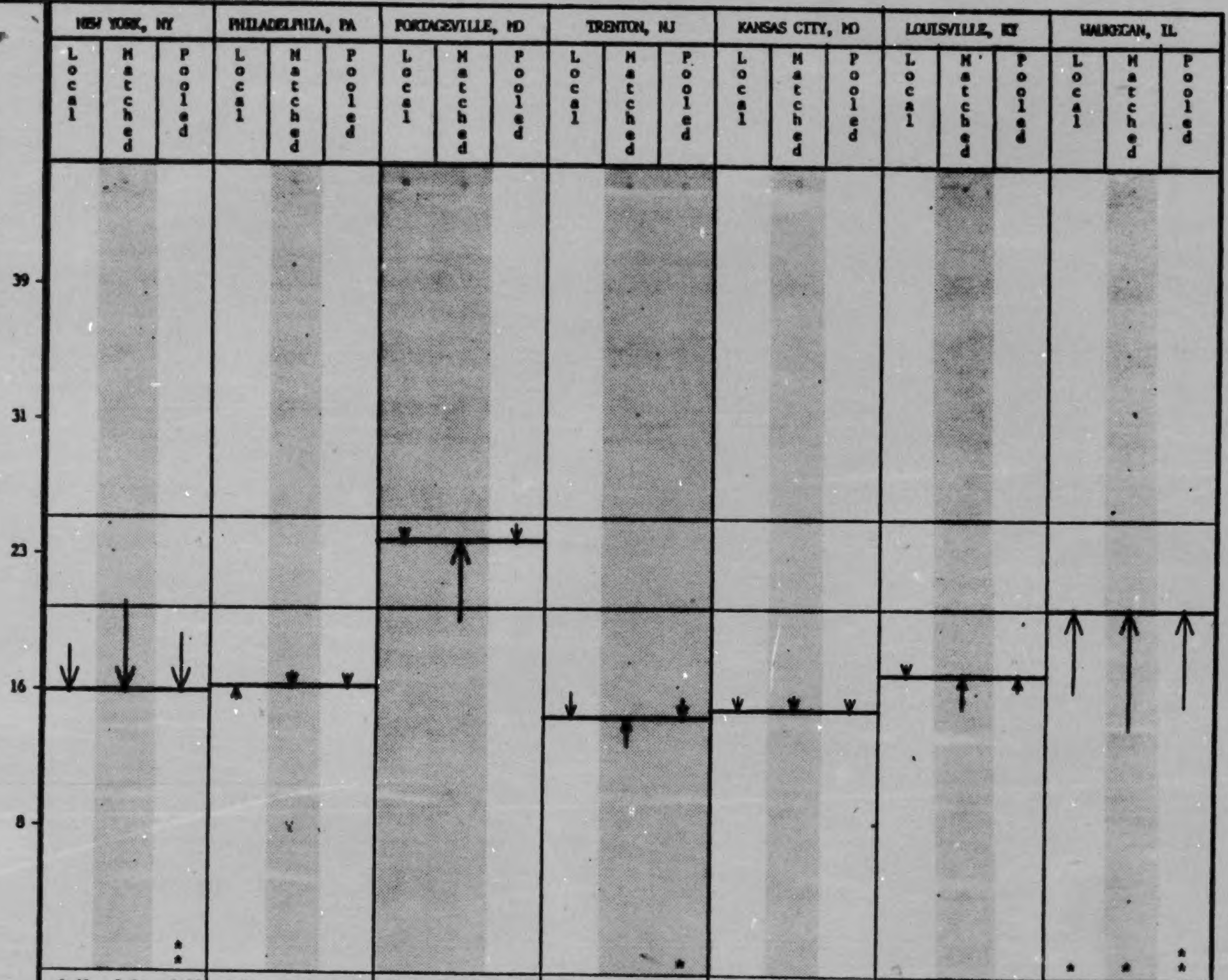
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE FOR COHORT III KINDERGARTEN SITES IN THE BA MODEL

**KEY**

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ⋁ ⋀
S.D. - 7.75
.25 S.D. - 1.94
P < .05 : *
P < .01 : **

National Mean 26.0

Overall NFT Mean 20.6

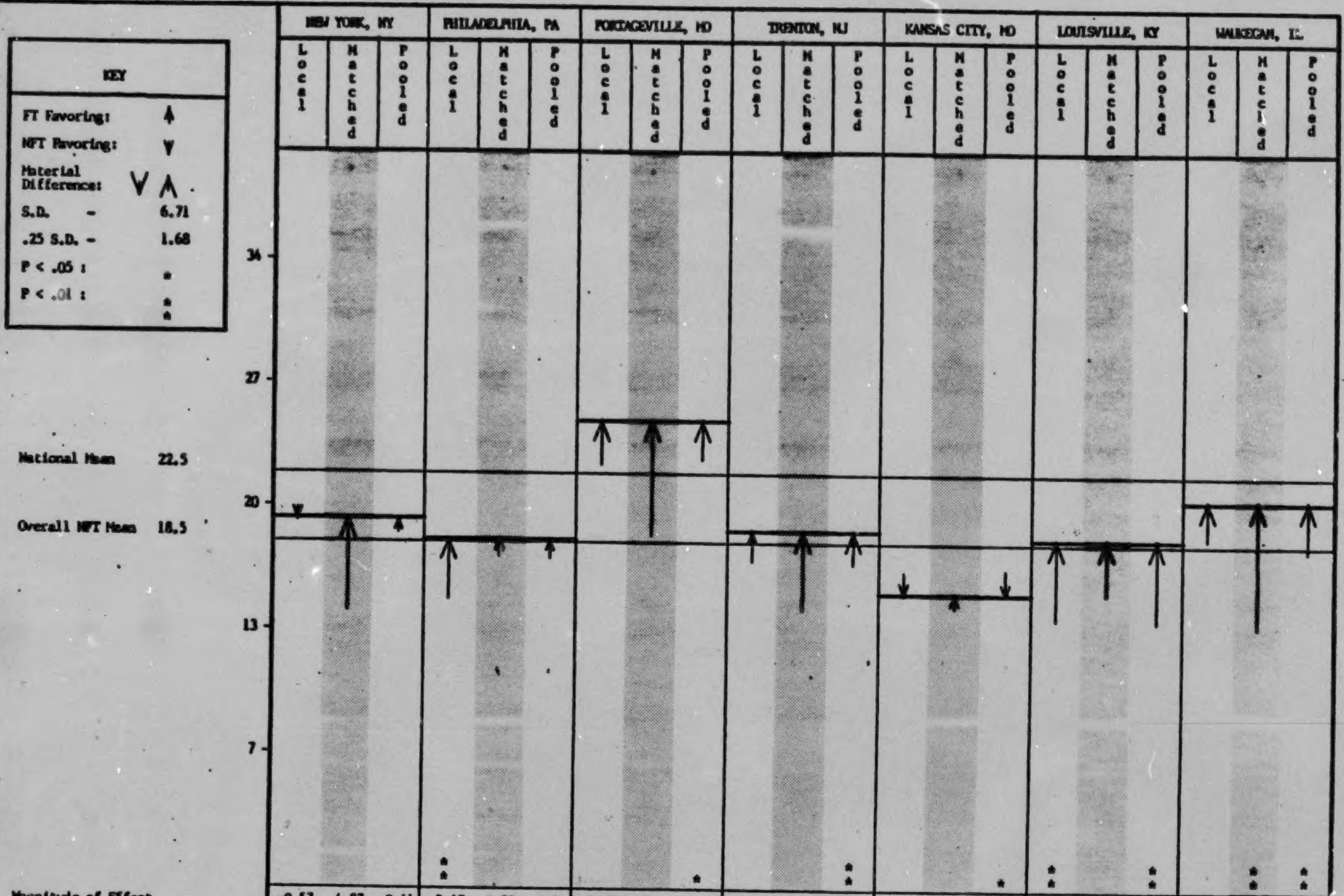


| | NEW YORK, NY | | | PHILADELPHIA, PA | | | PORTAGEVILLE, MO | | | TRENTON, NJ | | | KANSAS CITY, MO | | | LOUISVILLE, KY | | | WAUKEGAN, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -2.62 | -5.20 | -3.26 | 0.64 | -0.40 | -0.73 | -0.38 | 4.60 | -1.09 | -1.44 | 1.55 | -1.15 | -0.54 | -0.64 | -0.43 | -0.10 | 1.79 | 0.41 | 4.58 | 6.76 | 5.39 |
| Standard Error | 1.60 | 4.00 | 0.99 | 0.97 | 2.19 | 0.52 | 2.30 | 4.20 | 1.17 | 1.81 | 2.13 | 0.58 | 2.52 | 1.74 | 0.73 | 1.43 | 2.52 | 0.64 | 2.14 | 2.63 | 1.15 |
| FT Mean | 15.72 | | | 16.06 | | | 24.27 | | | 14.32 | | | 14.78 | | | 16.68 | | | 20.46 | | |
| No. of FT Children | 58 | | | 176 | | | 44 | | | 110 | | | 86 | | | 113 | | | 61 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C6-IIIK-10

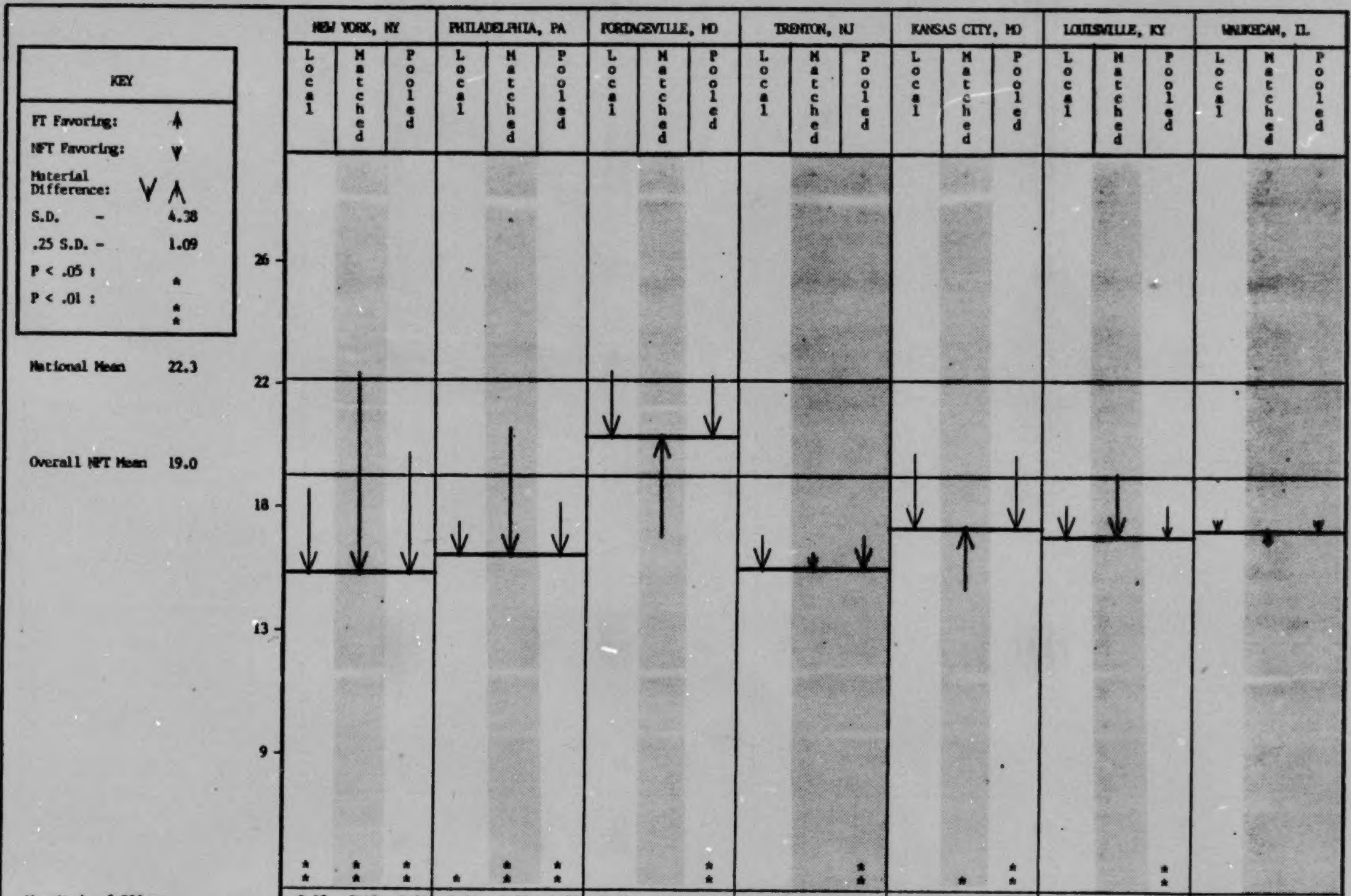
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT III KINDERGARTEN SITES IN THE BA MODEL



| | NEW YORK, NY | | | PHILADELPHIA, PA | | | PORTAGEVILLE, MO | | | TRENTON, NJ | | | KANSAS CITY, MO | | | LOUISVILLE, KY | | | WAUKEGAN, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.57 | 4.87 | 0.41 | 3.17 | 0.82 | 0.90 | 2.41 | 6.21 | 2.18 | 1.66 | 4.30 | 1.77 | -1.27 | 0.25 | -1.36 | 4.35 | 2.99 | 4.59 | 2.09 | 6.83 | 2.8[illegible] |
| Standard Error | 1.48 | 3.63 | 0.92 | 0.90 | 1.97 | 0.48 | 2.13 | 3.35 | 0.99 | 1.68 | 2.35 | 0.66 | 2.33 | 1.51 | 0.61 | 1.32 | 2.26 | 0.64 | 1.98 | 2.27 | 0.74 |
| FT Mean | 19.66 | | | 18.53 | | | 25.07 | | | 19.11 | | | 15.72 | | | 18.75 | | | 20.84 | | |
| No. of FT Children | 58 | | | 176 | | | 44 | | | 110 | | | 86 | | | 113 | | | 61 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

## Table C6-IIIK-11

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT
### ON THE RAVEN S PROGRESSIVE MATRICES
### FOR COHORT III KINDERGARTEN SITES
### IN THE BA MODEL

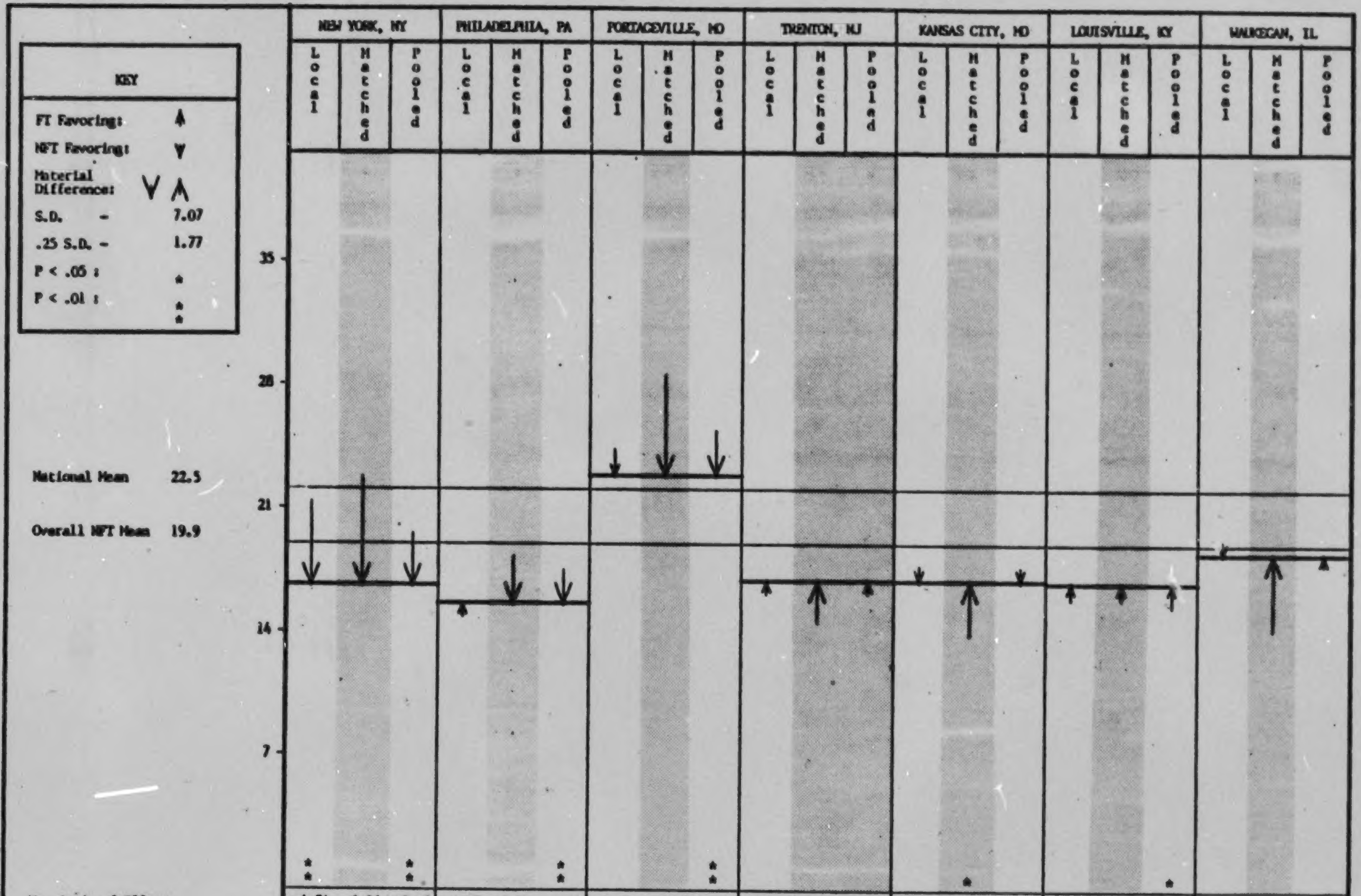


| | NEW YORK, NY | | | PHILADELPHIA, PA | | | PORTAGEVILLE, MO | | | TRENTON, NJ | | | KANSAS CITY, MO | | | LOUISVILLE, KY | | | WAUKEGAN, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | ** | ** | ** | * | ** | ** | | | ** | | | ** | | * | ** | | | ** | | | |
| Magnitude of Effect | -2.97 | -7.07 | -4.29 | -1.20 | -4.58 | -1.87 | -2.36 | 3.60 | -2.18 | -1.25 | -0.58 | -1.22 | -2.69 | 2.16 | -2.63 | -1.14 | -2.29 | -1.09 | -0.36 | 0.38 | -0.13 |
| Standard Error | 0.99 | 2.02 | 0.57 | 0.60 | 1.37 | 0.33 | 1.42 | 2.18 | 0.59 | 1.12 | 1.60 | 0.43 | 1.56 | 0.95 | 0.44 | 0.88 | 1.46 | 0.38 | 1.32 | 1.61 | 0.56 |
| FT Mean | 15.40 | | | 15.98 | | | 20.23 | | | 15.48 | | | 16.98 | | | 16.67 | | | 16.89 | | |
| No. of FT Children | 58 | | | 176 | | | 44 | | | 110 | | | 86 | | | 113 | | | 61 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C6-IIIK-12

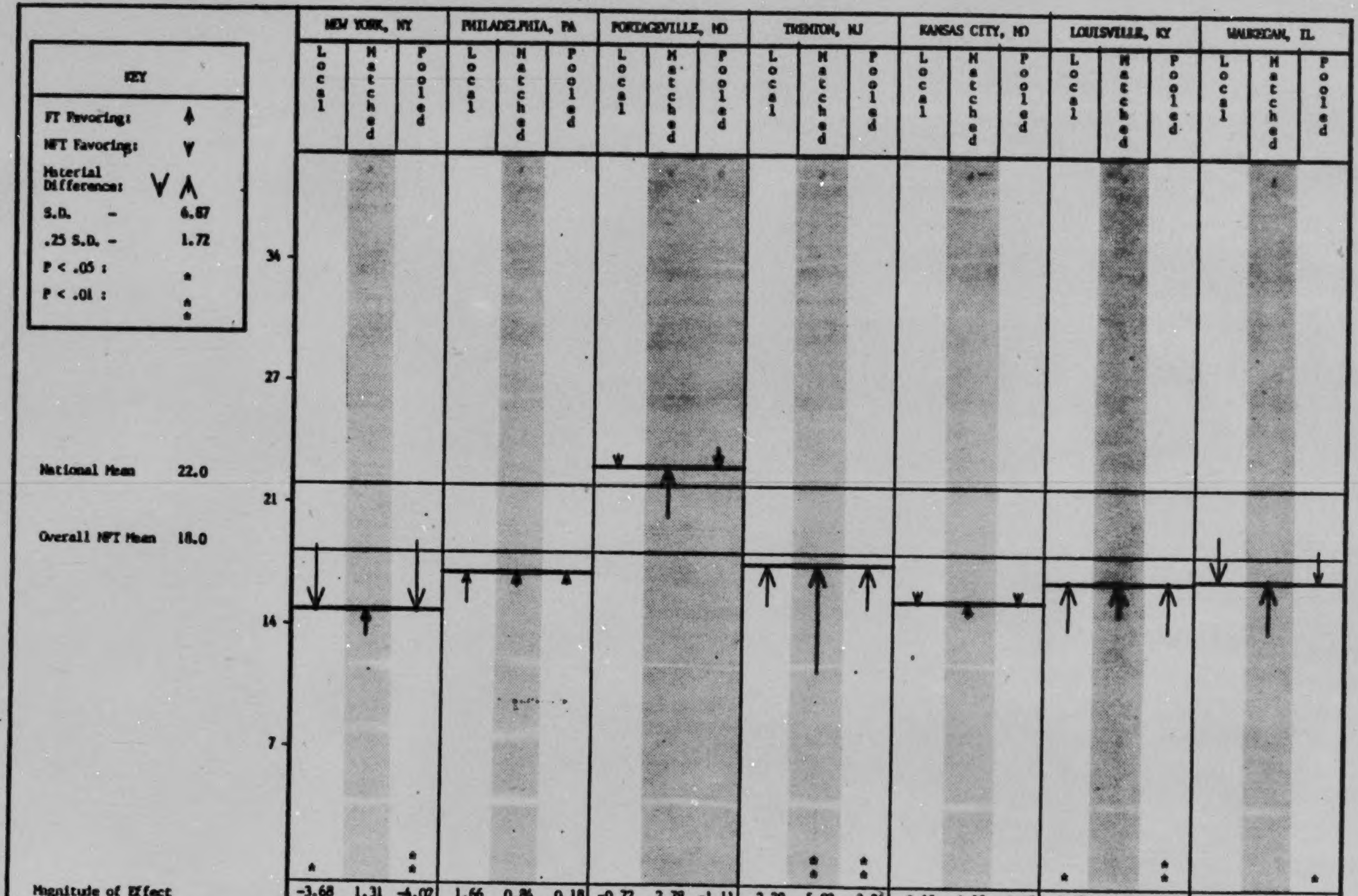
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT READING FOR COHORT III KINDERGARTEN SITES IN THE BA MODEL



| | NEW YORK, NY | | | PHILADELPHIA, PA | | | PORTAGEVILLE, MO | | | TRENTON, NJ | | | KANSAS CITY, MO | | | LOUISVILLE, KY | | | WAUKEGAN, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -4.84 | -6.36 | -3.08 | 0.07 | -2.71 | -1.99 | -1.58 | -5.76 | -2.62 | 0.11 | 2.40 | 0.25 | -0.94 | 3.08 | -0.85 | 0.92 | 0.85 | 1.23 | -0.11 | 4.37 | 0.56 |
| Standard Error | 1.41 | 3.33 | 0.78 | 0.85 | 1.88 | 0.45 | 2.02 | 3.04 | 0.82 | 1.59 | 2.12 | 0.57 | 2.22 | 1.43 | 0.63 | 1.26 | 2.08 | 0.52 | 1.88 | 2.23 | 0.83 |
| FT Mean | 17.03 | | | 16.01 | | | 23.34 | | | 17.34 | | | 17.33 | | | 17.16 | | | 18.95 | | |
| No. of FT Children | 58 | | | 176 | | | 44 | | | 110 | | | 86 | | | 113 | | | 61 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

## Table C6-IIIK-13

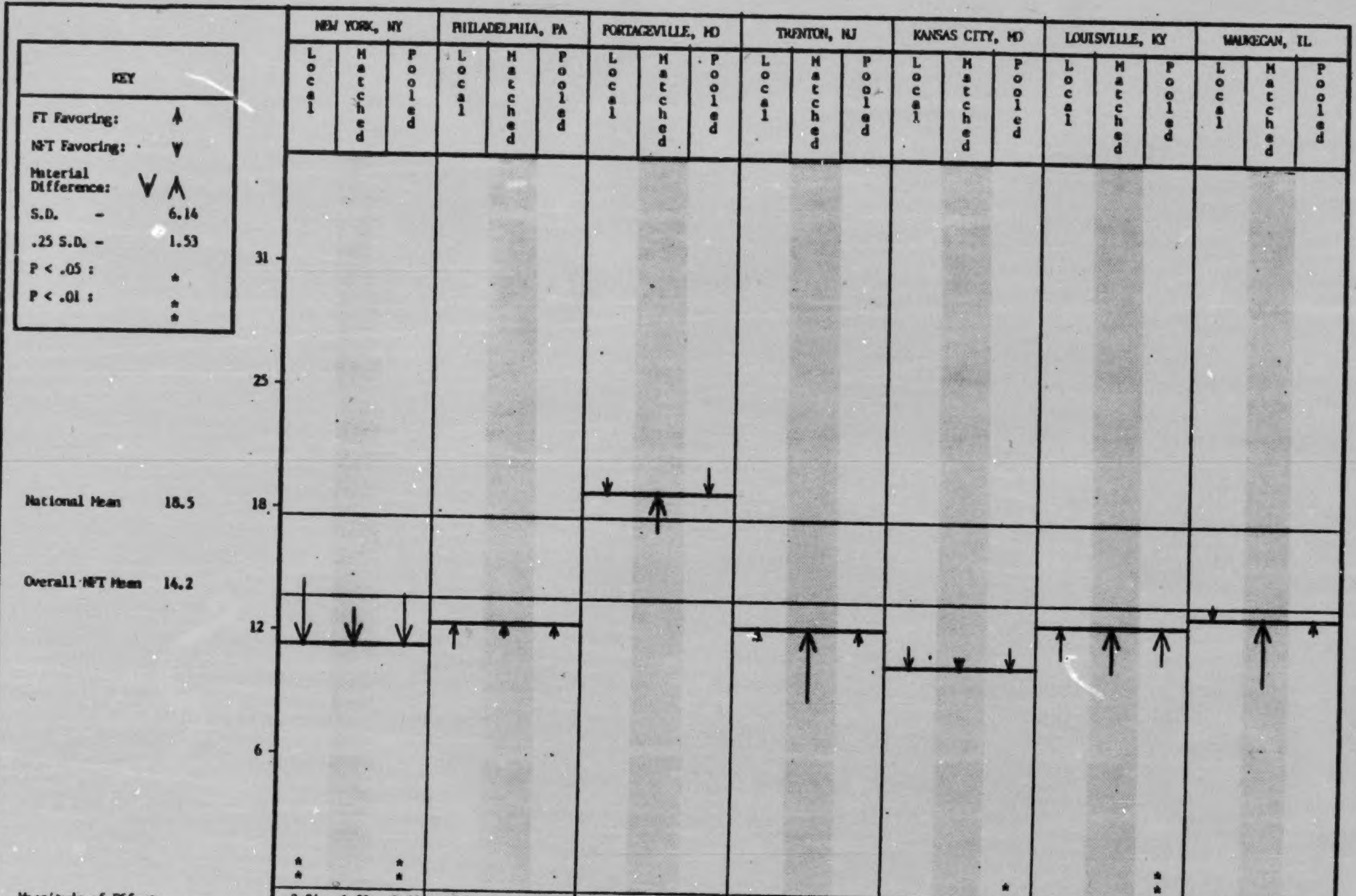
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT MATHEMATICS CONCEPTS
FOR COHORT III KINDERGARTEN SITES
IN THE BA MODEL



| | NEW YORK, NY | | | PHILADELPHIA, PA | | | PORTAGEVILLE, MO | | | TRENTON, NJ | | | KANSAS CITY, MO | | | LOUISVILLE, KY | | | WAUKEGAN, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -3.68 | 1.31 | -4.02 | 1.66 | 0.84 | 0.18 | -0.72 | 2.78 | -1.11 | 2.29 | 5.93 | 2.36 | -0.13 | 0.38 | -0.05 | 2.67 | 1.87 | 2.84 | -2.48 | 2.88 | -1.71 |
| Standard Error | 1.44 | 3.29 | 0.80 | 0.88 | 2.00 | 0.46 | 2.07 | 3.23 | 0.78 | 1.63 | 2.16 | 0.58 | 2.27 | 1.54 | 0.65 | 1.29 | 2.04 | 0.54 | 1.93 | 2.48 | 0.75 |
| FT Mean | 14.78 | | | 17.03 | | | 22.96 | | | 17.48 | | | 15.43 | | | 16.61 | | | 16.74 | | |
| No. of FT Children | 58 | | | 176 | | | 44 | | | 110 | | | 86 | | | 113 | | | 61 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

## Table C6-IIIK-14

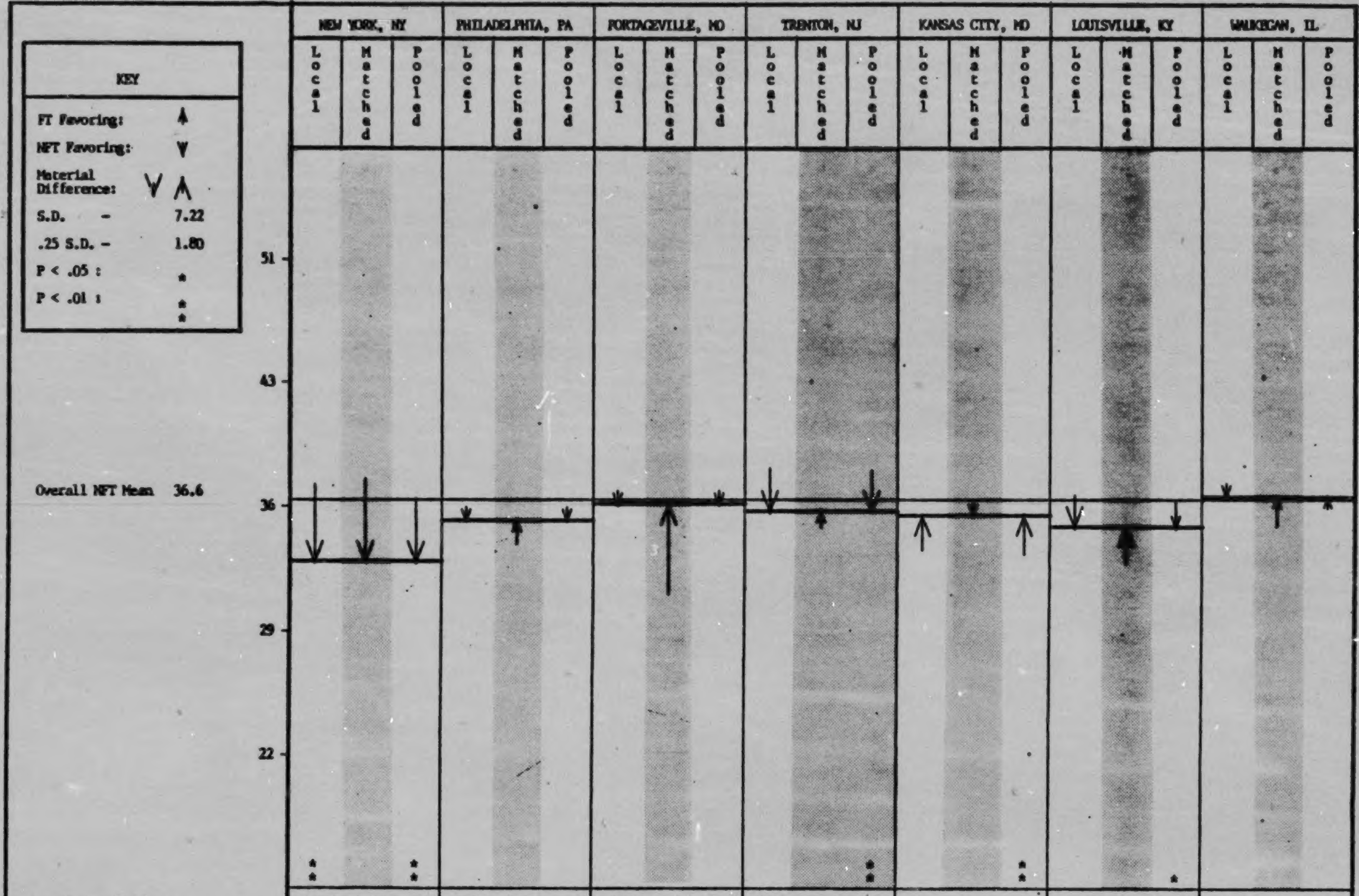
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT III KINDERGARTEN SITES IN THE BA MODEL



| | NEW YORK, NY | | | PHILADELPHIA, PA | | | PORTAGEVILLE, MO | | | TRENTON, NJ | | | KANSAS CITY, MO | | | LOUISVILLE, KY | | | WAUKEGAN, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -3.34 | -1.82 | -2.66 | 1.20 | 0.55 | 0.09 | -0.83 | 1.93 | -1.38 | 0.59 | 3.56 | 0.71 | -1.07 | -0.35 | -1.09 | 1.51 | 2.20 | 1.84 | -0.72 | 3.33 | 0.09 |
| Standard Error | 1.27 | 3.15 | 0.75 | 0.77 | 1.81 | 0.43 | 1.83 | 3.26 | 0.94 | 1.44 | 1.91 | 0.52 | 2.01 | 1.29 | 0.52 | 1.14 | 1.86 | 0.49 | 1.70 | 2.01 | 0.74 |
| FT Mean | 11.74 | | | 12.91 | | | 19.52 | | | 12.81 | | | 11.02 | | | 13.11 | | | 13.61 | | |
| No. of FT Children | 58 | | | 176 | | | 44 | | | 110 | | | 86 | | | 113 | | | 61 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

## Table C6-IIIK-15

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT III KINDERGARTEN SITES IN THE BA MODEL



| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -4.49 | -4.75 | -3.76 | -0.47 | 1.37 | -0.10 | -0.51 | 5.17 | -0.78 | -2.55 | 1.00 | -2.34 | 2.02 | -0.21 | 2.32 | -1.88 | 2.12 | -1.67 | -0.12 | 1.72 | 0.59 |
| Standard Error | 1.66 | 3.54 | 0.96 | 1.00 | 2.29 | 0.54 | 2.38 | 4.86 | 1.36 | 1.87 | 2.37 | 0.62 | 2.61 | 1.70 | 0.75 | 1.48 | 2.54 | 0.66 | 2.21 | 2.70 | 0.74 |
| FT Mean | 33.07 | | | 35.47 | | | 36.41 | | | 36.06 | | | 35.76 | | | 35.04 | | | 36.84 | | |
| No. of FT Children | 58 | | | 176 | | | 44 | | | 110 | | | 86 | | | 113 | | | 61 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

COHORT III-K STUDY
Non-Preschool Adjusted

# Table C6-IIIK-16

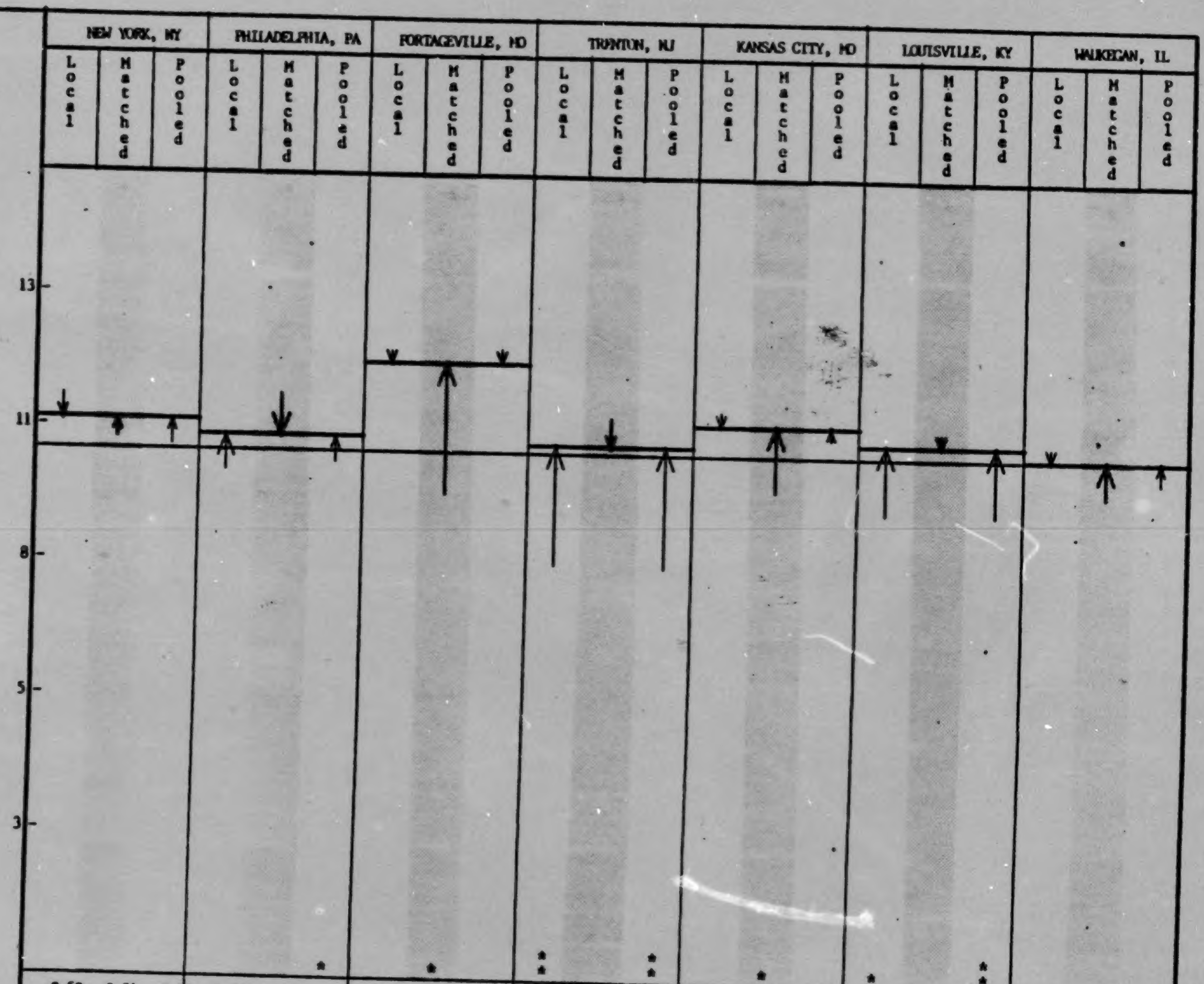
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE
FOR COHORT III KINDERGARTEN SITES
IN THE BA MODEL.

COHORT III-K STUDY
Non-Preschool Adjusted

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. – | 2.64 |
| .25 S.D. – | .66 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 10.1



| | NEW YORK, NY | | | PHILADELPHIA, PA | | | FORTAGEVILLE, MO | | | TRENTON, NJ | | | KANSAS CITY, MO | | | LOUISVILLE, KY | | | WAUKEGAN, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | | | | | * | | * | | ** | | ** | | * | | * | | ** | | | |
| Magnitude of Effect | -0.50 | 0.31 | 0.46 | 0.68 | -0.82 | 0.48 | -0.12 | 2.61 | -0.03 | 2.36 | -0.59 | 2.44 | -0.03 | 1.28 | 0.11 | 1.34 | -0.01 | 1.37 | -0.07 | 0.70 | 0.43 |
| Standard Error | 0.60 | 1.10 | 0.35 | 0.36 | 0.80 | 0.19 | 0.86 | 1.14 | 0.31 | 0.68 | 0.91 | 0.24 | 0.94 | 0.60 | 0.23 | 0.53 | 0.89 | 0.24 | 0.80 | 1.04 | 0.35 |
| FT Mean | 10.74 | | | 10.47 | | | 11.93 | | | 10.35 | | | 10.76 | | | 10.42 | | | 10.16 | | |
| No. of FT Children | 58 | | | 176 | | | 44 | | | 110 | | | 86 | | | 113 | | | 61 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

## Table C6-IIIK-17

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT
### ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE
### FOR COHORT III KINDERGARTEN SITES
### IN THE BA MODEL

**KEY**

FT Favoring: ↑

NFT Favoring: ↓

Material Difference: ⋁ ⋀

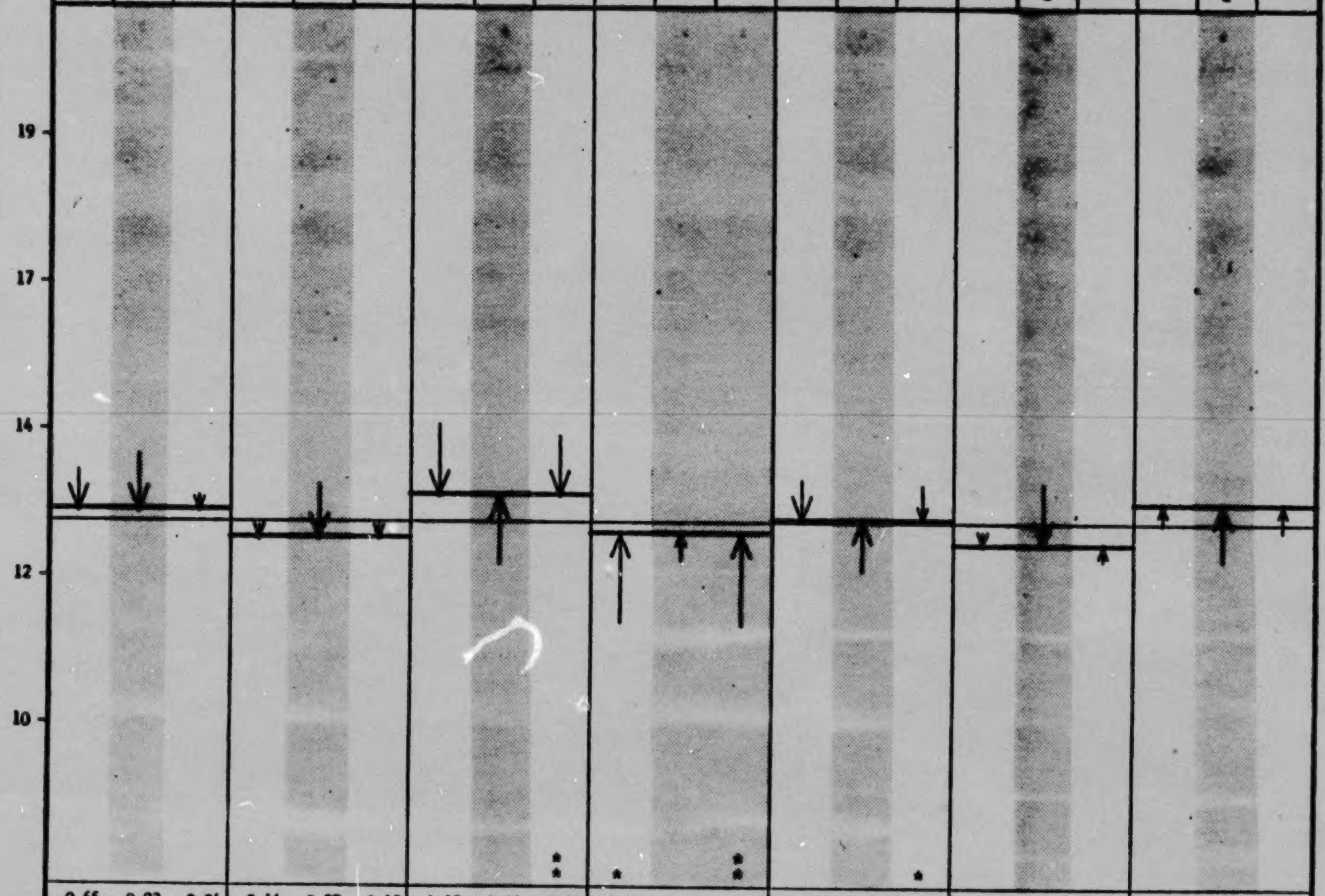
S.D. - 2.39

.25 S.D. - .60

P < .05 : *

P < .01 : **

Overall NFT Mean 13.1

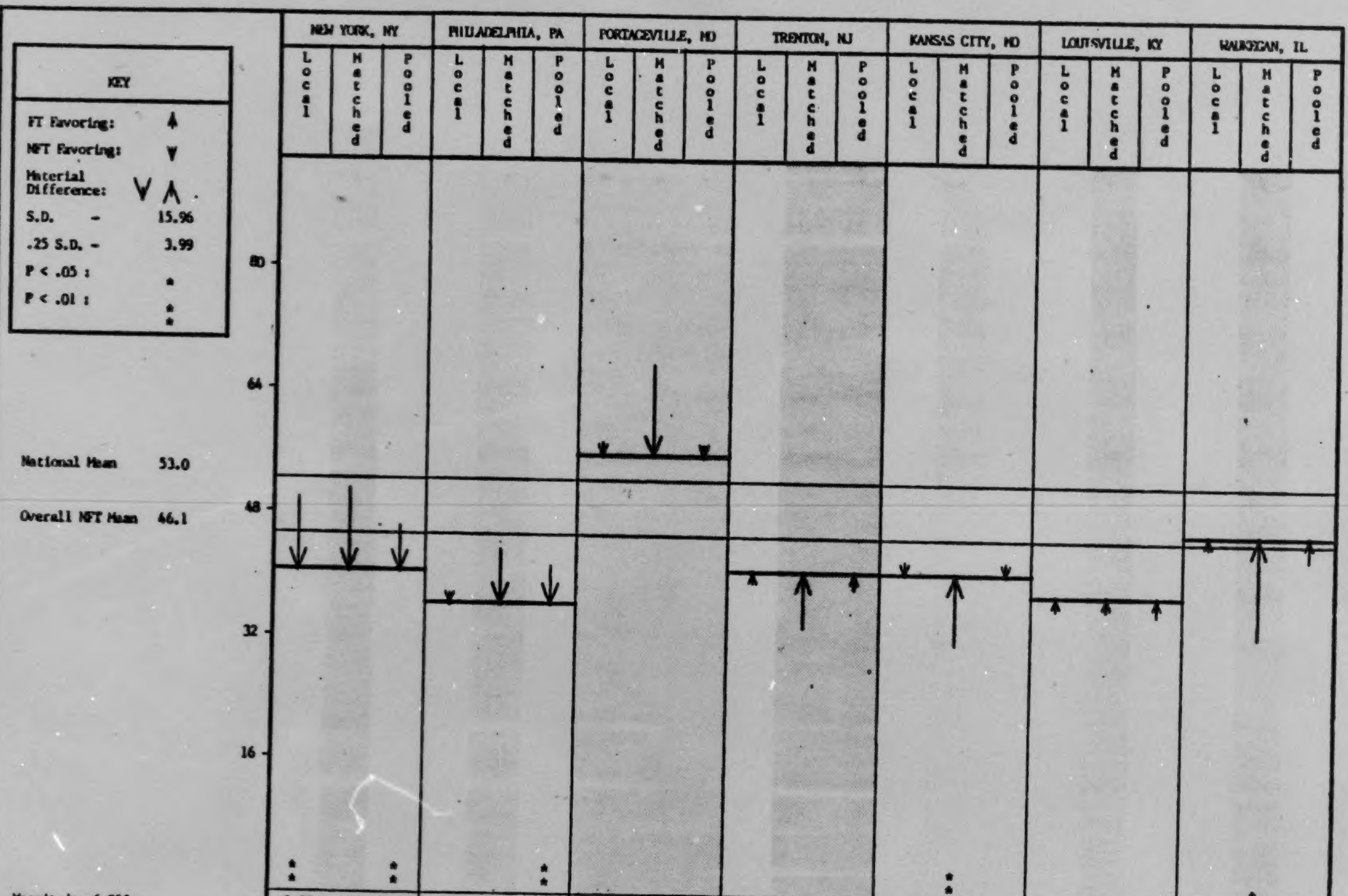


| | NEW YORK, NY | | | PHILADELPHIA, PA | | | PORTAGEVILLE, MO | | | TRENTON, NJ | | | KANSAS CITY, MO | | | LOUISVILLE, KY | | | WAUKEGAN, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.65 | -0.93 | -0.04 | -0.14 | -0.87 | -0.12 | -1.13 | 1.11 | -0.96 | 1.43 | 0.41 | 1.47 | -0.63 | 0.88 | -0.56 | -0.03 | -1.04 | 0.02 | 0.38 | 0.95 | 0.44 |
| Standard Error | 0.55 | 1.16 | 0.30 | 0.33 | 0.73 | 0.17 | 0.79 | 1.17 | 0.31 | 0.62 | 0.88 | 0.22 | 0.87 | 0.56 | 0.24 | 0.49 | 0.81 | 0.21 | 0.74 | 0.90 | 0.29 |
| FT Mean | 13.16 | | | 12.72 | | | 13.43 | | | 12.77 | | | 13.04 | | | 12.60 | | | 13.30 | | |
| No. of FT Children | 58 | | | 176 | | | 44 | | | 110 | | | 86 | | | 113 | | | 61 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C6-IIIK-18

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL READING FOR COHORT III KINDERGARTEN SITES IN THE RA MODEL



| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -9.29 | -10.49 | -5.89 | -0.81 | -7.24 | -5.30 | -0.58 | -11.83 | -1.57 | 0.99 | 7.22 | 1.95 | -1.06 | 9.20 | -0.22 | 1.15 | 1.27 | 2.31 | 0.60 | 13.00 | 2.90 |
| Standard Error | 3.20 | 7.06 | 1.71 | 1.94 | 4.36 | 1.01 | 4.59 | 6.58 | 1.72 | 3.62 | 5.06 | 1.34 | 5.04 | 3.20 | 1.42 | 2.86 | 4.81 | 1.22 | 4.28 | 5.25 | 2.03 |
| FT Mean | 40.98 | | | 36.67 | | | 55.96 | | | 41.26 | | | 41.36 | | | 38.50 | | | 46.44 | | |
| No. of FT Children | 58 | | | 176 | | | 44 | | | 110 | | | 86 | | | 113 | | | 61 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

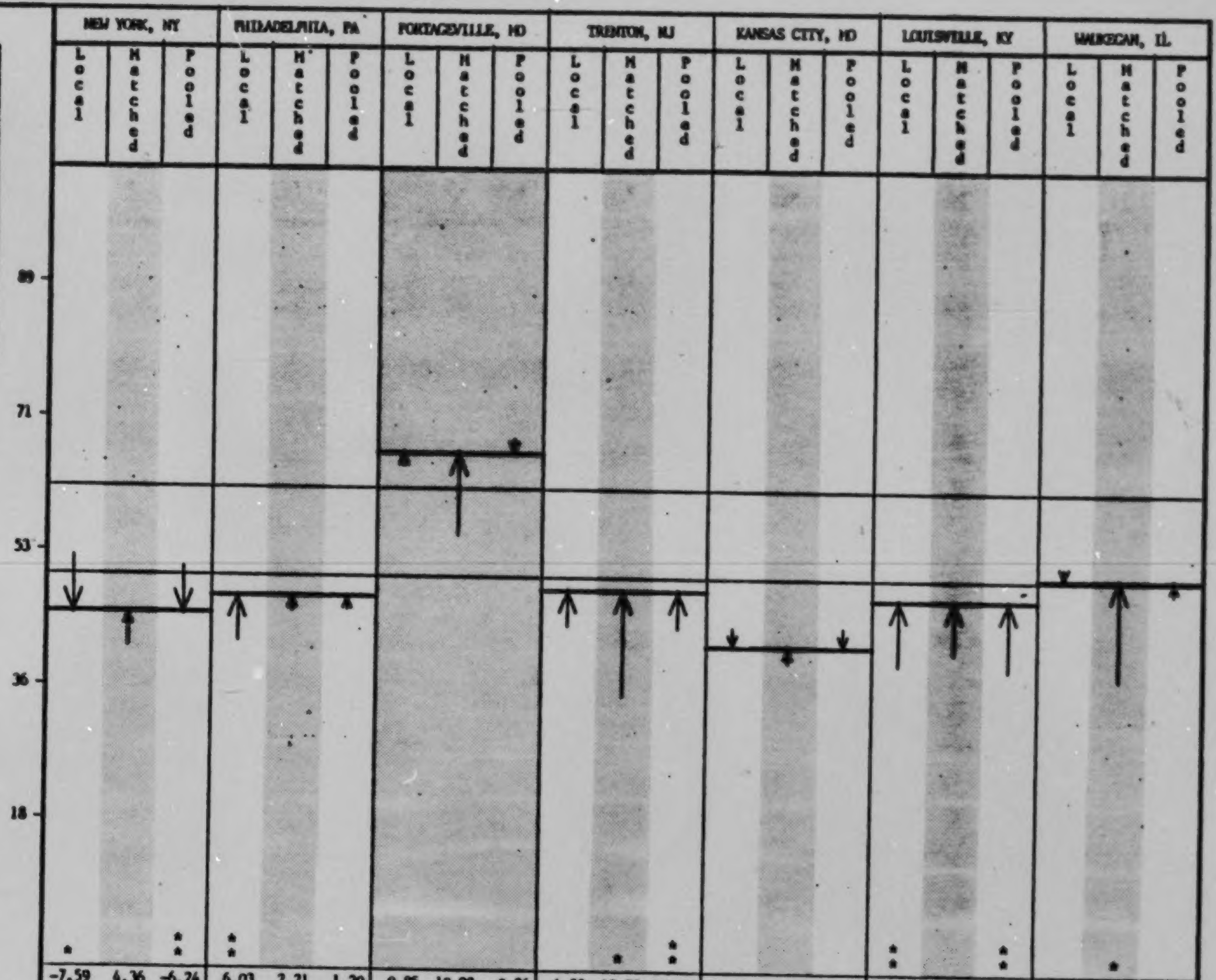
# Table C6-IIIK-19

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT
## ON THE MAT TOTAL MATH
## FOR COHORT III KINDERGARTEN SITES
## IN THE BA MODEL

| KEY | |
|---|---|
| FT Favoring: | ▲ |
| NFT Favoring: | ▼ |
| Material Difference: | ∨ ∧ |
| S.D. = | 17.83 |
| .25 S.D. = | 4.46 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 63.0

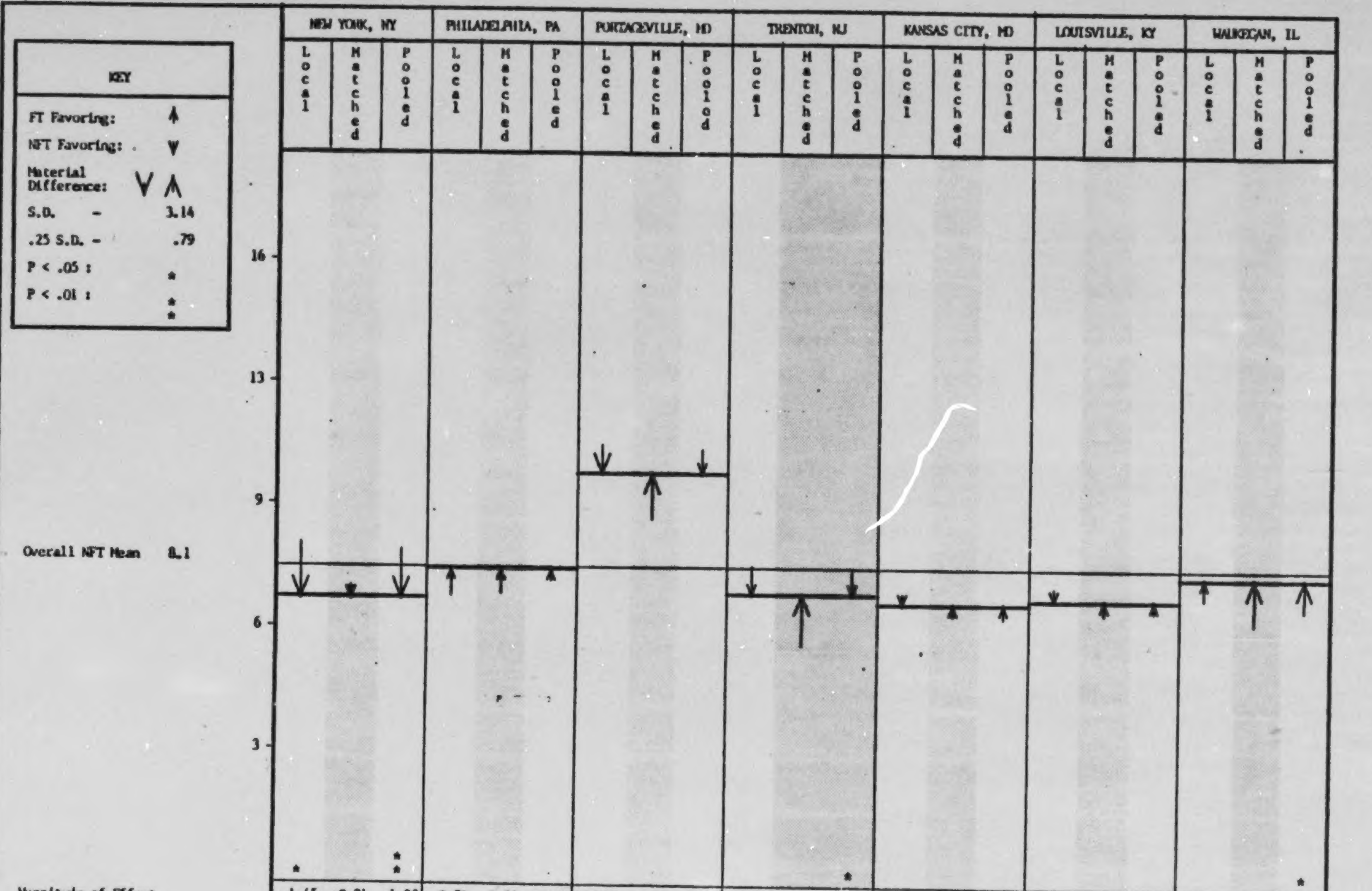
Overall NFT Mean 50.8



| | New York, NY | | | Philadelphia, PA | | | Portageville, MO | | | Trenton, NJ | | | Kansas City, MO | | | Louisville, KY | | | Waukegan, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | * | | ** | ** | | | | | | | * | ** | | | | ** | | ** | | * | |
| Magnitude of Effect | -7.59 | 4.36 | -6.24 | 6.03 | 2.21 | 1.20 | 0.85 | 10.92 | -0.26 | 4.53 | 13.79 | 4.86 | -2.46 | 0.28 | -2.49 | 8.53 | 7.05 | 9.28 | -1.11 | 13.04 | 1.21 |
| Standard Error | 3.69 | 9.24 | 2.21 | 2.24 | 5.09 | 1.20 | 5.29 | 8.81 | 2.45 | 4.18 | 5.42 | 1.49 | 5.81 | 3.75 | 1.52 | 3.29 | 5.36 | 1.48 | 4.93 | 6.02 | 1.94 |
| FT Mean | 46.17 | | | 48.47 | | | 67.54 | | | 49.40 | | | 42.17 | | | 48.47 | | | 51.18 | | |
| No. of FT Children | 58 | | | 176 | | | [illegible] | | | 110 | | | 86 | | | 113 | | | 61 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

## Table C6-IIIK-20

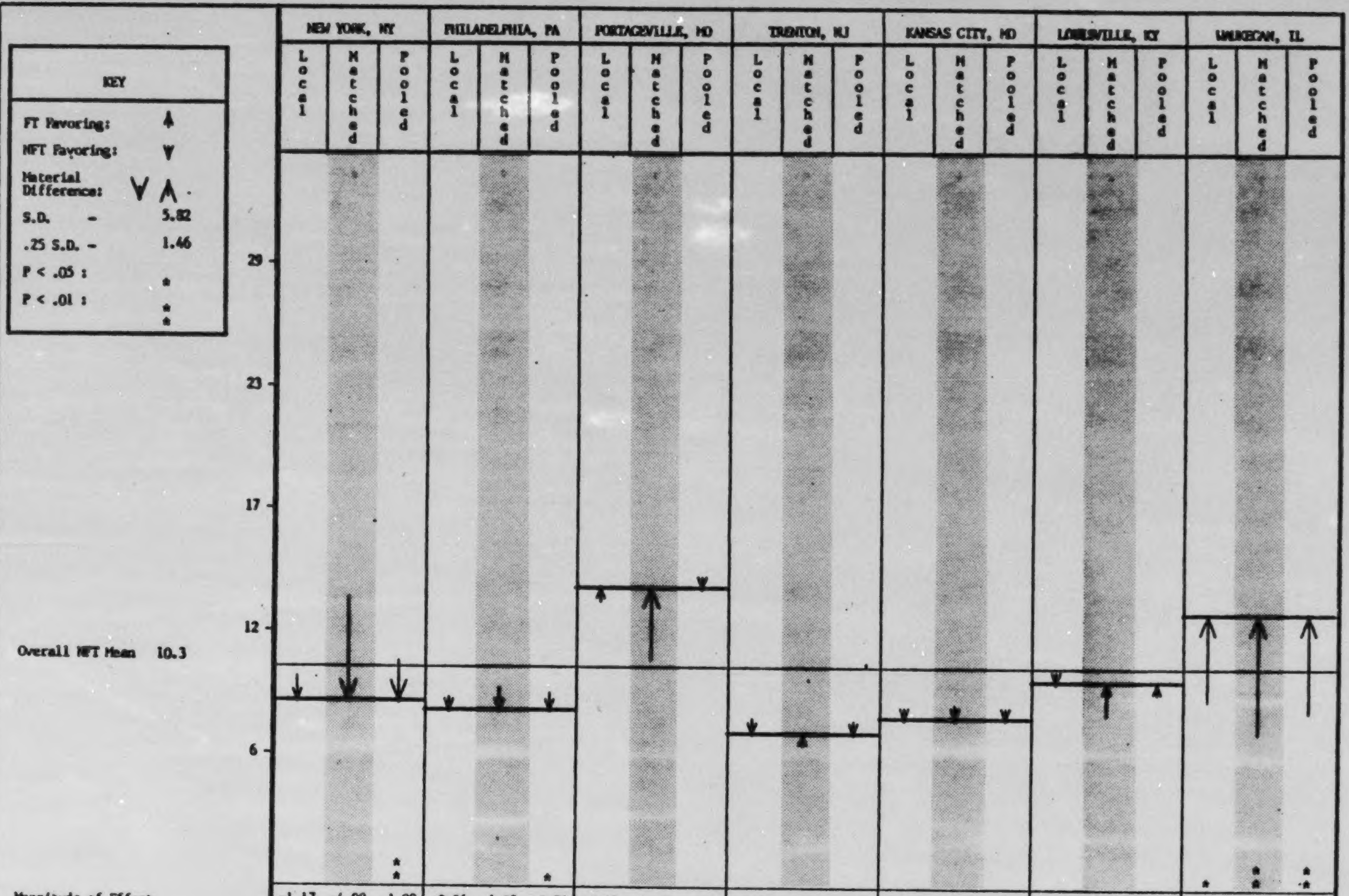
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT III KINDERGARTEN SITES IN THE BA MODEL



| | NEW YORK, NY | | | PHILADELPHIA, PA | | | PORTAGEVILLE, MO | | | TRENTON, NJ | | | KANSAS CITY, MO | | | LOUISVILLE, KY | | | WAUKEGAN, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.45 | -0.21 | -1.28 | 0.70 | 0.66 | 0.13 | -0.80 | 1.14 | -0.64 | -0.74 | 1.28 | -0.63 | -0.00 | 0.07 | 0.14 | -0.08 | 0.35 | 0.08 | 0.50 | 1.17 | 0.83 |
| Standard Error | 0.71 | 1.60 | 0.45 | 0.43 | 1.02 | 0.24 | 1.02 | 1.37 | 0.37 | 0.80 | 1.12 | 0.31 | 1.12 | 0.79 | 0.34 | 0.63 | 1.10 | 0.28 | 0.95 | 1.16 | 0.41 |
| FT Mean | 7.16 | | | 7.90 | | | 10.32 | | | 7.24 | | | 7.00 | | | 7.16 | | | 7.72 | | |
| No. of FT Children | 58 | | | 176 | | | 44 | | | 110 | | | 86 | | | 113 | | | 61 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

Table C6-IIIK-21

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT LANGUAGE PART B
FOR COHORT III KINDERGARTEN SITES
IN THE BA MODEL



| | NEW YORK, NY | | | PHILADELPHIA, PA | | | PORTAGEVILLE, MO | | | TRENTON, NJ | | | KANSAS CITY, MO | | | LOUISVILLE, KY | | | WAUKEGAN, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.17 | -4.98 | -1.98 | -0.06 | -1.05 | -0.86 | 0.42 | 3.46 | -0.45 | -0.69 | 0.27 | -0.52 | -0.54 | -0.71 | -0.57 | -0.02 | 1.44 | 0.33 | 4.07 | 5.60 | 4.56 |
| Standard Error | 1.21 | 3.02 | 0.73 | 0.73 | 1.59 | 0.37 | 1.73 | 3.54 | 0.94 | 1.37 | 1.49 | 0.40 | 1.90 | 1.29 | 0.54 | 1.08 | 1.86 | 0.48 | 1.62 | 1.96 | 0.89 |
| FT Mean | 8.57 | | | 8.17 | | | 13.96 | | | 7.08 | | | 7.78 | | | 9.52 | | | 12.74 | | |
| No. of FT Children | 58 | | | 176 | | | 44 | | | 110 | | | 86 | | | 113 | | | 61 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

## Table C6-IIIK-22

STANDARDIZED SCORES FOR MAT READING, MATHEMATICS,
LANGUAGE AND SPELLING SUBTESTS
COHORT III KINDERGARTEN CHILDREN
FOR THE HA MODEL

|  | MAT NORM POPULATION | SPONSOR'S SITES |  |  | NEW YORK, NY |  |  | PHILADELPHIA, PA |  |  | PORTAGEVILLE, MO |  |  | TRENTON, NJ |  |  | KANSAS CITY, MO |  |  | LOUISVILLE, KY |  |  | WAUKEGAN, IL |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  | FT | NFT Local | Best Match | FT | NFT Local | Best Match | FT | NFT Local | Best Match | FT | NFT Local | Best Match | FT | NFT Local | Best Match | FT | NFT Local | Best Match | FT | NFT Local | Best Match | FT | NFT Local | Best Match |
| TOTAL READING |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Third Grade Median | 61 | 55.6 | 55.1 | — | 53.5 | 58.8 | 67.0 | 52.3 | 51.9 | 55.5 | 62.2 | 58.7 | 58.2 | 54.9 | 53.3 | 51.0 | 54.7 | 55.5 | 52.3 | 53.3 | 49.1 | 55.5 | 58.0 | 58.2 | 51.9 |
| Median Percentile | 50 | 34.0 | 30.0 | 34.0 | 28.0 | 42.0 | 66.0 | 22.0 | 22.0 | 34.0 | 54.0 | 42.0 | 40.0 | 30.0 | 24.0 | 20.0 | 30.0 | 34.0 | 22.0 | 24.0 | 14.0 | 34.0 | 40.0 | 40.0 | 22.0 |
| Grade Equivalent | 3.5 | 3.0 | 2.9 | 3.0 | 2.8 | 3.3 | 4.2 | 2.6 | 2.6 | 3.0 | 3.6 | 3.3 | 3.2 | 2.9 | 2.7 | 2.5 | 2.9 | 3.0 | 2.6 | 2.7 | 2.4 | 3.0 | 3.2 | 3.2 | 2.6 |
| 1 Year or More Below Grade Level | 20 | 31.8 | 37.6 | — | 32.8 | 24.6 | 30.8 | 47.2 | 49.0 | 40.9 | 6.8 | 24.4 | 25.0 | 38.2 | 38.8 | 54.2 | 31.4 | 40.9 | 44.9 | 43.4 | 57.6 | 40.9 | 23.0 | 27.7 | 49.0 |
| TOTAL MATHEMATICS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Third Grade Median | 70.5 | 63.2 | 60.9 | — | 60.5 | 64.9 | 63.0 | 62.5 | 57.7 | 58.5 | 70.8 | 68.0 | 63.5 | 63.1 | 60.0 | 53.5 | 58.5 | 58.5 | 58.2 | 62.9 | 53.2 | 58.5 | 64.1 | 64.3 | 57.7 |
| Median Percentile | 50 | 26.0 | 20.0 | 16.0 | 20.0 | 32.0 | 26.0 | 26.0 | 14.0 | 16.0 | 52.0 | 40.0 | 28.0 | 26.0 | 18.0 | 8.0 | 16.0 | 16.0 | 14.0 | 26.0 | 8.0 | 16.0 | 28.0 | 28.0 | 14.0 |
| Grade Equivalent | 3.75 | 3.2 | 3.0 | 2.9 | 3.0 | 3.3 | 3.2 | 3.2 | 2.8 | 2.9 | 3.8 | 3.5 | 3.2 | 3.2 | 3.0 | 2.4 | 2.9 | 2.9 | 2.8 | 3.2 | 2.4 | 2.9 | 3.2 | 3.2 | 2.8 |
| 1 Year or More Below Grade Level | 12 | 28.4 | 36.2 | — | 37.9 | 28.0 | 46.2 | 32.4 | 48.6 | 36.4 | 6.8 | 19.5 | 33.3 | 20.9 | 38.8 | 62.5 | 44.2 | 36.4 | 42.9 | 33.6 | 63.2 | 36.4 | 23.0 | 19.2 | 48.6 |
| SPELLING |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Third Grade Median | 64 | 62.1 | 61.3 | — | 62.5 | 66.8 | 67.0 | 62.3 | 60.2 | 58.5 | 65.5 | 64.7 | 63.5 | 61.5 | 58.3 | 51.5 | 64.3 | 58.5 | 59.8 | 57.3 | 54.8 | 58.5 | 61.3 | 66.0 | 60.2 |
| Median Percentile | 50 | 44.0 | 40.0 | 38.0 | 48.0 | 60.0 | 60.0 | 44.0 | 38.0 | 36.0 | 58.0 | 54.0 | 50.0 | 44.0 | 32.0 | 18.0 | 50.0 | 36.0 | 38.0 | 30.0 | 23.0 | 36.0 | 40.0 | 58.0 | 38.0 |
| Grade Equivalent | 3.6 | 3.4 | 3.3 | 3.1 | 3.5 | 4.1 | 4.1 | 3.4 | 3.1 | 3.0 | 3.9 | 3.7 | 3.6 | 3.4 | 2.9 | 2.5 | 3.6 | 3.0 | 3.1 | 2.9 | 2.7 | 3.0 | 3.3 | 3.9 | 3.1 |
| 1 Year or More Below Grade Level | 22 | 27.5 | 32.5 | — | 34.5 | 20.3 | 30.8 | 30.7 | 35.7 | 45.5 | 2.3 | 14.6 | 16.7 | 29.1 | 38.8 | 50.0 | 24.4 | 45.5 | 36.7 | 45.1 | 49.1 | 45.5 | 26.2 | 23.4 | 35.7 |
| LANGUAGE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Third Grade Median | 70 | 58.3 | 57.0 | — | 55.8 | 59.3 | 65.0 | 57.0 | 55.3 | 54.0 | 65.5 | 61.3 | 57.5 | 55.4 | 56.7 | 50.5 | 54.8 | 54.0 | 57.0 | 56.3 | 56.0 | 54.0 | 63.0 | 56.7 | 55.3 |
| Median Percentile | 50 | 22.0 | 20.0 | 18.0 | 18.0 | 23.0 | 38.0 | 20.0 | 14.0 | 12.0 | 40.0 | 28.0 | 22.0 | 14.0 | 20.0 | 9.0 | 14.0 | 12.0 | 20.0 | 18.0 | 18.0 | 12.0 | 32.0 | 20.0 | 14.0 |
| Grade Equivalent | 4.0 | 2.8 | 2.7 | 2.6 | 2.6 | 2.9 | 3.4 | 2.7 | 2.5 | 2.4 | 3.5 | 3.1 | 2.8 | 2.5 | 2.7 | 2.2 | 2.5 | 2.4 | 2.7 | 2.6 | 2.6 | 2.4 | 3.2 | 2.7 | 2.5 |
| 1 Year or More Below Grade Level | 14 | 58.8 | 65.0 | — | 69.0 | 58.0 | 38.5 | 63.1 | 74.5 | 63.6 | 27.3 | 43.9 | 58.3 | 71.8 | 71.4 | 79.2 | 69.8 | 63.6 | 59.2 | 64.6 | 77.4 | 63.6 | 45.9 | 66.0 | 74.5 |
| BEST MATCHED SITE |  |  |  |  | Topeka, KS |  |  | Kansas City, MO |  |  | San Jose, CA |  |  | Paterson, NJ |  |  | St. Louis, MO |  |  | Kansas City, MO |  |  | Philadelphia, PA |  |  |

## Table C6-IIIK(PS)-22

### STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN WITH HEADSTART FOR THE BEHAVIOR ANALYSIS MODEL

| | MAT NORM POPULATION | SPONSOR'S SITES | | NEW YORK, NY | | PHILADELPHIA, PA | | PORTAGEVILLE, MO | | TRENTON, NJ | | KANSAS CITY, MO | | LOUISVILLE, KY | | WAUKEGAN, IL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| **TOTAL READING** | | | | | | | | | | | | | | | | | |
| Third Grade Median | 61 | 56.2 | 55.6 | 55.0 | 59.3 | 53.3 | 52.9 | 62.2 | 59.2 | 55.1 | 54.0 | 55.2 | 56.5 | 53.9 | 49.1 | 58.8 | 58.2 |
| Median Percentile | 50 | 34 | 32 | 30 | 42 | 24 | 24 | 54 | 42 | 30 | 28 | 30 | 34 | 28 | 14 | 42 | 40 |
| Grade Equivalent | 3.5 | 3.0 | 3.0 | 2.9 | 3.3 | 2.7 | 2.7 | 3.6 | 3.3 | 2.9 | 2.8 | 2.9 | 3.0 | 2.8 | 2.4 | 3.3 | 3.2 |
| % 1 Year or More Below Grade Level | 20 | 30 | 37 | 31 | 26 | 45 | 47 | 7 | 25 | 38 | 40 | 29 | 38 | 42 | 57 | 21 | 26 |
| **TOTAL MATHEMATICS** | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 63.7 | 61.2 | 61.0 | 64.1 | 63.2 | 58.3 | 71.4 | 68.2 | 63.0 | 60.5 | 58.8 | 60.0 | 63.6 | 53.1 | 64.8 | 64.2 |
| Median Percentile | 50 | 29 | 22 | 20 | 28 | 26 | 14 | 52 | 40 | 26 | 18 | 16 | 18 | 28 | 8 | 32 | 28 |
| Grade Equivalent | 3.75 | 3.2 | 3.0 | 3.0 | 3.2 | 3.2 | 2.8 | 3.8 | 3.6 | 3.2 | 3.0 | 2.9 | 3.0 | 3.2 | 2.4 | 3.3 | 3.2 |
| % 1 Year or More Below Grade Level | 12 | 28 | 35 | 37 | 29 | 34 | 45 | 7 | 17 | 22 | 38 | 44 | 33 | 32 | 63 | 19 | 20 |
| **SPELLING** | | | | | | | | | | | | | | | | | |
| Third Grade Median | 64 | 62.6 | 61.9 | 62.8 | 66.4 | 62.2 | 61.4 | 65.8 | 65.2 | 61.4 | 58.5 | 65.0 | 60.8 | 58.5 | 54.6 | 62.4 | 66.2 |
| Median Percentile | 50 | 40 | 35 | 48 | 58 | 44 | 40 | 58 | 54 | 40 | 32 | 54 | 40 | 32 | 23 | 44 | 58 |
| Grade Equivalent | 3.6 | 3.5 | 3.4 | 3.5 | 3.9 | 3.4 | 3.3 | 3.9 | 3.7 | 3.3 | 3.0 | 3.7 | 3.3 | 3.0 | 2.7 | 3.4 | 3.9 |
| % 1 Year or More Below Grade Level | 22 | 27 | 32 | 37 | 24 | 30 | 34 | 2 | 13 | 30 | 38 | 24 | 43 | 44 | 50 | 24 | 22 |
| **LANGUAGE** | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70 | 58.3 | 57.3 | 55.3 | 59.7 | 57.4 | 55.4 | 65.5 | 62.0 | 55.4 | 56.9 | 55.0 | 54.2 | 56.2 | 55.9 | 63.5 | 56.8 |
| Median Percentile | 50 | 22 | 20 | 14 | 26 | 20 | 14 | 40 | 30 | 14 | 20 | 14 | 12 | 18 | 18 | 34 | 20 |
| Grade Equivalent | 4.0 | 2.8 | 2.7 | 2.5 | 3.0 | 2.7 | 2.5 | 3.5 | 3.2 | 2.5 | 2.7 | 2.5 | 2.4 | 2.6 | 2.6 | 3.3 | 2.7 |
| % 1 Year or More Below Grade Level | 14 | 59 | 64 | 69 | 57 | 62 | 74 | 27 | 42 | 73 | 71 | 70 | 62 | 64 | 78 | 45 | 65 |

## Table C6-IIIK-23

### MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES USED IN THE ANALYTIC SAMPLE OF THE COHORT III KINDERGARTEN CHILDREN FOR THE BA MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | PHILADELPHIA, PA | | | PORTAGEVILLE, MO | | | TRENTON, NJ | | | KANSAS CITY, MO | | | LOUISVILLE, KY | | | WAUKEGAN, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT Mean | 29.0 | 25.5 | — | 35.7 | 31.1 | 37.5 | 29.8 | 26.9 | 27.6 | 36.1 | 25.3 | 36.8 | 26.8 | 24.7 | 26.3 | 26.3 | 27.6 | 30.3 | 23.7 | 17.8 | 27.6 | 24.6 | 25.1 | 26.9 |
| Standard Deviation | — | — | — | 10.9 | 12.4 | 12.7 | 11.4 | 11.4 | 13.3 | 11.8 | 13.5 | 11.9 | 10.3 | 9.6 | 11.0 | 9.5 | 13.3 | 9.9 | 11.4 | 9.0 | 13.3 | 11.3 | 11.7 | 11.4 |
| HIGHEST OCCUPATION IN HOUSE Mean | 13.5 | 13.7 | — | 13.8 | 14.0 | 13.8 | 13.3 | 13.6 | 13.1 | 14.7 | 14.3 | 14.5 | 13.2 | 13.9 | 13.4 | 13.3 | 13.1 | 13.4 | 13.2 | 13.6 | 13.1 | 13.4 | 13.6 | 13.6 |
| Standard Deviation | — | — | — | 1.6 | 2.0 | 2.3 | 1.7 | 1.9 | 2.0 | 2.4 | 2.4 | 1.6 | 1.7 | 1.7 | 1.2 | 2.0 | 2.0 | 1.8 | 1.8 | 1.9 | 2.0 | 1.7 | 2.0 | 1.9 |
| FAMILY INCOME IN DOLLARS Mean | 4562 | 5508 | — | 4646 | 6090 | 5670 | 4843 | 5407 | 4538 | 5332 | 4405 | 5554 | 4290 | 5882 | 5000 | 3733 | 4538 | 3590 | 4104 | 4743 | 4538 | 4988 | 7493 | 5407 |
| Standard Deviation | — | — | — | 2433 | 2255 | 2552 | 2610 | 2789 | 2853 | 3103 | 2964 | 3017 | 2223 | 2617 | 2741 | 2393 | 2853 | 2393 | 2379 | 3052 | 2853 | 3260 | 2806 | 2789 |
| MISSING INCOME INFORMATION No. Missing | — | — | — | 19 | 168 | 3 | 87 | 405 | 1 | 3 | 0 | 1 | 58 | 21 | 0 | 37 | 1 | 18 | 62 | 50 | 1 | 28 | 5 | 405 |
| Valid Cases | — | — | — | 39 | 39 | 10 | 89 | 54 | 21 | 41 | 41 | 11 | 52 | 28 | 24 | 49 | 21 | 31 | 51 | 56 | 21 | 33 | 42 | 54 |
| ETHNIC MEMBERSHIP/RACE Percent White | 12 | 12 | — | 3 | 2 | 31 | 0 | 1 | 0 | 75 | 73 | 33 | 0 | 2 | 4 | 1 | 0 | 0 | 0 | 2 | 0 | 3 | 6 | 1 |
| Percent Black | 82 | 77 | — | 66 | 81 | 54 | 99 | 95 | 100 | 25 | 28 | 0 | 94 | 90 | 88 | 99 | 100 | 100 | 100 | 98 | 100 | 92 | 47 | 95 |
| SEX Percent Female | 57 | 51 | — | 53 | 48 | 69 | 60 | 54 | 59 | 70 | 56 | 67 | 62 | 47 | 54 | 51 | 59 | 55 | 56 | 49 | 59 | 48 | 45 | 54 |
| ENTRY AGE IN MONTHS Mean | 63.9 | 64.0 | — | 62.8 | 63.4 | 67.2 | 62.1 | 61.9 | 65.1 | 65.9 | 66.0 | 66.6 | 63.9 | 63.6 | 64.4 | 65.2 | 65.1 | 67.0 | 63.3 | 62.9 | 65.1 | 64.2 | 65.0 | 61.9 |
| Standard Deviation | — | — | — | 3.3 | 3.5 | 3.5 | 3.7 | 3.5 | 3.9 | 3.4 | 3.6 | 7.0 | 3.2 | 3.5 | 4.9 | 3.8 | 3.9 | 3.9 | 3.3 | 3.9 | 3.9 | 3.9 | 3.6 | 3.5 |
| FIRST LANGUAGE Percent English | 96 | 90 | — | 76 | 85 | 100 | 100 | 97 | 100 | 100 | 100 | 50 | 94 | 96 | 96 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 53 | 97 |
| BEST MATCHED SITE | | | | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

## Table C6-IIIK-24

### MEANS AND STANDARD DEVIATIONS
### FOR THE OUTCOME MEASURES
### FOR THE COHORT III KINDERGARTEN CHILDREN
### IN THE BEHAVIOR ANALYSIS MODEL

| | | ALL SITES | | SPONSOR'S SITES | | | NEW YORK, NY | | | PHILADELPHIA, PA | | | PORTAGEVILLE, MO | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | Mean | 41.25 | 46.14 | 43.02 | 42.07 | — | 40.98 | 47.54 | 54.56 | 36.66 | 35.92 | 43.23 | 55.95 | 48.51 | 54.00 |
| | Standard Deviation | | | — | — | — | 16.24 | 17.01 | 23.86 | 14.48 | 15.05 | 20.30 | 16.15 | 18.80 | 21.96 |
| TOTAL MATHEMATICS | Mean | 47.77 | 50.84 | 50.49 | 46.70 | — | 46.17 | 51.13 | 52.85 | 48.47 | 40.88 | 45.36 | 67.55 | 57.98 | 54.58 |
| | Standard Deviation | | | — | — | — | 19.17 | 19.80 | 26.52 | 17.87 | 17.27 | 17.49 | 19.73 | 19.23 | 21.04 |
| LANGUAGE | Mean | 16.60 | 18.44 | 17.47 | 16.42 | — | 15.72 | 16.93 | 21.85 | 16.06 | 14.63 | 15.82 | 24.27 | 21.00 | 18.17 |
| | Standard Deviation | | | — | — | — | 8.80 | 7.68 | 12.27 | 7.55 | 7.17 | 9.00 | 9.96 | 9.53 | 7.81 |
| SPELLING | Mean | 17.64 | 20.63 | 20.43 | 19.66 | — | 19.64 | 24.46 | 20.23 | 19.49 | 17.91 | 18.18 | 26.11 | 22.76 | 23.58 |
| | Standard Deviation | | | — | — | — | 13.76 | 12.06 | 14.65 | 12.35 | 12.66 | 13.71 | 9.49 | 11.61 | 12.86 |
| RAVEN'S PROGRESSIVE MAT. | Mean | 18.15 | 18.95 | 16.80 | 18.21 | — | 15.40 | 17.53 | 21.54 | 15.98 | 16.97 | 19.77 | 20.23 | 20.98 | 20.25 |
| | Standard Deviation | | | — | — | — | 4.37 | 4.88 | 3.62 | 4.55 | 4.52 | 4.02 | 4.69 | 4.45 | 4.05 |
| COOPERSMITH'S SELF-EST. | Mean | 35.64 | 36.59 | 35.52 | 36.19 | — | 33.07 | 37.24 | 37.77 | 35.47 | 35.73 | 33.82 | 36.41 | 35.34 | 33.42 |
| | Standard Deviation | | | — | — | — | 7.01 | 7.11 | 4.92 | 7.23 | 7.25 | 7.94 | 9.02 | 6.68 | 7.53 |
| IARS-LOCUS NEGATIVE | Mean | 9.91 | 10.11 | 10.69 | 10.03 | — | 10.74 | 11.20 | 10.15 | 10.47 | 9.79 | 10.77 | 11.93 | 11.66 | 10.08 |
| | Standard Deviation | | | — | — | — | 1.87 | 2.45 | 3.02 | 2.60 | 2.76 | 1.90 | 2.13 | 2.20 | 1.98 |
| IARS-LOCUS POSITIVE | Mean | 12.83 | 13.07 | 13.00 | 12.96 | — | 13.16 | 13.57 | 13.46 | 12.72 | 12.78 | 13.73 | 13.43 | 13.93 | 12.08 |
| | Standard Deviation | | | — | — | — | 2.24 | 2.12 | 2.96 | 2.35 | 2.43 | 2.07 | 2.08 | 2.21 | 1.98 |
| WORD KNOWLEDGE | Mean | 23.30 | 26.29 | 24.86 | 23.80 | — | 23.95 | 26.98 | 29.62 | 20.65 | 20.68 | 24.55 | 32.61 | 26.54 | 30.17 |
| | Standard Deviation | | | — | — | — | 10.10 | 10.20 | 14.04 | 9.78 | 9.79 | 12.32 | 9.55 | 10.80 | 13.36 |
| READING | Mean | 17.95 | 19.85 | 18.17 | 18.26 | — | 17.03 | 20.57 | 24.92 | 16.01 | 15.24 | 18.68 | 23.34 | 21.98 | 23.83 |
| | Standard Deviation | | | — | — | — | 7.01 | 7.62 | 10.28 | 6.01 | 6.24 | 8.59 | 7.28 | 8.76 | 8.91 |
| MATH COMPUTATIONS | Mean | 18.16 | 18.55 | 19.67 | 17.14 | — | 19.66 | 19.35 | 19.54 | 18.53 | 14.86 | 17.23 | 25.07 | 19.90 | 18.33 |
| | Standard Deviation | | | — | — | — | 7.79 | 7.85 | 8.92 | 7.06 | 6.25 | 5.49 | 7.50 | 6.64 | 6.85 |
| MATH CONCEPTS | Mean | 16.41 | 18.04 | 17.29 | 16.39 | — | 14.78 | 17.52 | 17.77 | 17.03 | 14.83 | 15.77 | 22.95 | 20.41 | 19.00 |
| | Standard Deviation | | | — | — | — | 6.60 | 7.21 | 9.24 | 6.74 | 7.11 | 7.09 | 6.38 | 7.22 | 8.99 |
| MATH PROBLEM SOLVING | Mean | 13.20 | 14.25 | 13.53 | 13.16 | — | 11.74 | 14.25 | 15.54 | 12.91 | 11.19 | 12.36 | 19.52 | 17.66 | 17.25 |
| | Standard Deviation | | | — | — | — | 6.47 | 6.70 | 8.97 | 5.99 | 5.57 | 6.64 | 7.29 | 7.36 | 6.57 |
| LANGUAGE PART A | Mean | 7.59 | 8.13 | 7.78 | 7.61 | — | 7.16 | 8.16 | 7.85 | 7.90 | 6.94 | 7.14 | 10.32 | 9.68 | 7.33 |
| | Standard Deviation | | | — | — | — | 3.89 | 3.24 | 4.60 | 3.53 | 3.22 | 3.94 | 2.76 | 3.04 | 3.34 |
| LANGUAGE PART B | Mean | 9.01 | 10.31 | 9.69 | 8.81 | — | 8.57 | 8.77 | 14.00 | 8.16 | 7.69 | 8.68 | 13.95 | 11.32 | 10.83 |
| | Standard Deviation | | | — | — | — | 6.10 | 5.85 | 8.43 | 5.21 | 5.07 | 6.20 | 7.90 | 7.32 | 7.25 |
| BEST MATCH SITE | | | | | | | Topeka, KS | | | Kansas City, MO | | | San Jose, CA | | |

| | | TRENTON, NJ | | | KANSAS CITY, MO | | | LOUISVILLE, KY | | | WAUKEGAN, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | Mean | 41.25 | 39.53 | 32.58 | 41.36 | 43.23 | 34.71 | 38.30 | 33.60 | 43.23 | 46.44 | 46.13 | 35.92 |
| | Standard Deviation | 15.67 | 15.86 | 14.32 | 15.92 | 20.30 | 13.96 | 14.99 | 14.14 | 20.30 | 16.05 | 17.66 | 15.05 |
| TOTAL MATHEMATICS | Mean | 49.40 | 43.86 | 35.63 | 42.17 | 45.36 | 43.45 | 48.47 | 35.66 | 45.36 | 51.18 | 52.02 | 40.88 |
| | Standard Deviation | 17.65 | 16.03 | 12.21 | 16.00 | 17.49 | 16.05 | 19.59 | 15.10 | 17.49 | 16.99 | 17.82 | 17.27 |
| LANGUAGE | Mean | 14.32 | 15.37 | 12.33 | 14.78 | 15.82 | 16.24 | 16.68 | 15.06 | 15.82 | 20.46 | 16.17 | 14.63 |
| | Standard Deviation | 6.56 | 6.93 | 6.30 | 7.87 | 9.00 | 7.84 | 8.17 | 6.73 | 9.00 | 9.08 | 8.00 | 7.17 |
| SPELLING | Mean | 19.07 | 17.88 | 12.92 | 22.03 | 18.18 | 16.10 | 16.44 | 13.20 | 18.18 | 20.23 | 23.26 | 17.91 |
| | Standard Deviation | 12.03 | 12.46 | 12.53 | 12.29 | 13.71 | 11.97 | 13.44 | 12.46 | 13.71 | 11.45 | 12.63 | 12.66 |
| RAVEN'S PROGRESSIVE MAT. | Mean | 15.48 | 16.73 | 16.88 | 16.98 | 19.77 | 15.41 | 16.67 | 16.97 | 19.77 | 16.89 | 18.55 | 16.97 |
| | Standard Deviation | 4.86 | 5.15 | 5.23 | 4.41 | 4.02 | 4.06 | 4.53 | 4.02 | 4.02 | 4.81 | 5.19 | 4.52 |
| COOPERSMITH'S SELF-EST. | Mean | 36.05 | 38.22 | 34.58 | 35.76 | 33.82 | 36.37 | 35.04 | 35.95 | 33.82 | 36.84 | 37.04 | 35.73 |
| | Standard Deviation | 6.45 | 6.31 | 7.44 | 7.25 | 7.94 | 6.28 | 7.38 | 8.03 | 7.94 | 6.04 | 7.19 | 7.25 |
| IARS-LOCUS NEGATIVE | Mean | 10.35 | 7.90 | 11.00 | 10.76 | 10.77 | 9.73 | 10.42 | 8.85 | 10.77 | 10.16 | 10.06 | 5.79 |
| | Standard Deviation | 2.54 | 3.44 | 2.60 | 2.27 | 1.90 | 2.74 | 2.55 | 2.71 | 1.90 | 1.93 | 2.56 | 2.76 |
| IARS-LOCUS POSITIVE | Mean | 12.77 | 11.20 | 11.96 | 13.03 | 13.73 | 12.14 | 12.60 | 12.32 | 13.73 | 13.30 | 13.04 | 12.78 |
| | Standard Deviation | 2.40 | 4.11 | 2.65 | 2.29 | 2.07 | 2.37 | 2.36 | 2.30 | 2.07 | 2.29 | 2.92 | 2.43 |
| WORD KNOWLEDGE | Mean | 23.92 | 22.49 | 18.08 | 24.03 | 24.55 | 19.65 | 21.34 | 18.73 | 24.55 | 27.49 | 26.66 | 20.68 |
| | Standard Deviation | 10.28 | 9.51 | 10.30 | 10.51 | 12.32 | 8.69 | 9.90 | 9.32 | 12.32 | 10.37 | 10.81 | 9.79 |
| READING | Mean | 17.36 | 17.04 | 14.50 | 17.33 | 18.68 | 15.06 | 17.16 | 14.88 | 18.68 | 18.95 | 19.47 | 15.24 |
| | Standard Deviation | 6.45 | 7.51 | 5.10 | 6.58 | 8.59 | 6.18 | 6.05 | 5.67 | 8.59 | 6.44 | 7.55 | 6.24 |
| MATH COMPUTATIONS | Mean | 19.11 | 17.00 | 14.25 | 15.72 | 17.23 | 16.18 | 18.75 | 12.97 | 17.23 | 20.84 | 18.70 | 14.86 |
| | Standard Deviation | 7.24 | 6.57 | 4.07 | 6.14 | 5.49 | 6.77 | 8.11 | 5.43 | 5.49 | 6.71 | 6.06 | 6.25 |
| MATH CONCEPTS | Mean | 17.48 | 14.86 | 12.17 | 15.43 | 15.77 | 15.55 | 16.61 | 12.32 | 15.77 | 16.74 | 19.00 | 14.83 |
| | Standard Deviation | 6.93 | 6.49 | 5.10 | 6.68 | 7.09 | 6.16 | 6.99 | 6.45 | 7.09 | 6.60 | 7.14 | 7.11 |
| MATH PROBLEM SOLVING | Mean | 12.81 | 12.00 | 9.21 | 11.02 | 12.36 | 11.71 | 13.11 | 10.37 | 12.36 | 13.61 | 14.32 | 11.19 |
| | Standard Deviation | 6.15 | 5.55 | 4.81 | 5.36 | 6.64 | 5.49 | 6.11 | 5.09 | 6.64 | 5.62 | 6.57 | 5.57 |
| LANGUAGE PART A | Mean | 7.24 | 7.78 | 5.71 | 7.00 | 7.14 | 7.22 | 7.16 | 6.51 | 7.14 | 7.72 | 7.06 | 6.94 |
| | Standard Deviation | 3.56 | 2.84 | 3.36 | 3.44 | 3.94 | 3.41 | 3.34 | 3.25 | 3.94 | 3.27 | 3.16 | 3.22 |
| LANGUAGE PART B | Mean | 7.08 | 7.59 | 6.63 | 7.78 | 8.68 | 9.02 | 9.52 | 8.55 | 8.68 | 12.74 | 9.11 | 7.69 |
| | Standard Deviation | 4.26 | 5.38 | 4.16 | 5.58 | 6.20 | 5.78 | 5.88 | 4.63 | 6.20 | 6.91 | 6.31 | 5.07 |
| BEST MATCH SITE | | Paterson, NJ | | | St. Louis, MO | | | Kansas City, MO | | | Philadelphia, PA | | |

Table C6-IIIK-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K LOCAL ANALYSES FOR THE BA MODEL

CODE

FKW = Fall Kindergarten WRAT
NOFKW = Missing WRAT
LANG = First Language
INCOME = Income
NOOCCUP = Missing Occupation
SEX = Sex
OCCUP = Occupation
ENTAGE = Entry Age
ETH1 = White vs. Black
ETH2 = White vs. Other
NOINC = Missing Income

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .68471090 | .48631970E-01 |
| NOFKW | -3.7716571 | 5.4815672 |
| LANG | 5.0363661 | 4.7242178 |
| INCOME | .21332129E-03 | .19339480E-03 |
| NOOCCUP | .98484960 | 3.0093730 |
| SEX | .63496835 | 1.0809160 |
| OCCUP | .41111816 | .28066670 |
| ENTAGE | -.18787702 | .15349830 |
| ETH1 | 3.8557019 | 1.9099422 |
| ETH2 | -.75501665E-01 | 3.0332102 |
| NOINC | -1.1604590 | 3.0157138 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .74940874 | .56080148E-01 |
| NOFKW | -.38645739 | 6.3210908 |
| LANG | 7.2837696 | 5.4477504 |
| INCOME | .17855768E-03 | .22301398E-03 |
| NOOCCUP | 1.5143608 | 3.4702703 |
| SEX | .89813553 | 1.2464625 |
| OCCUP | .39350832 | .32365191 |
| ENTAGE | -.10914696 | .17700717 |
| ETH1 | 3.9603716 | 2.2024574 |
| ETH2 | -1.7297920 | 3.4977583 |
| NOINC | -1.1424703 | 3.4775822 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .47141763 | .39807922E-01 |
| NOFKW | -2.7609850 | 4.4869620 |
| LANG | .98853226 | 3.8670301 |
| INCOME | .13682672E-03 | .15830420E-03 |
| NOOCCUP | 1.6801312 | 2.4633361 |
| SEX | 2.7882675 | .88478873 |
| OCCUP | .24656687 | .22974102 |
| ENTAGE | -.16798014 | .12564674 |
| ETH1 | 1.1319107 | 1.5633919 |
| ETH2 | -1.1001294 | 2.4828481 |
| NOINC | -.98933043 | 2.4685264 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .31138625 | .24342600E-01 |
| NOFKW | -1.9332353 | 2.7437835 |
| LANG | 2.2412667 | 2.3646943 |
| INCOME | .10783653E-03 | .96803240E-04 |
| NOOCCUP | .51871190 | 1.5063334 |
| SEX | .63941417 | .54104955 |
| OCCUP | .18610737 | .14048695 |
| ENTAGE | -.14153646 | .76833157E-01 |
| ETH1 | 1.3017754 | .95601636 |
| ETH2 | -.85006625 | 1.5182651 |
| NOINC | -.77201118 | 1.5095073 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .15959955 | .15041576E-01 |
| NOFKW | 1.2727312 | 1.6954158 |
| LANG | .78399660 | 1.4611722 |
| INCOME | .64531781E-04 | .59815850E-04 |
| NOOCCUP | -.11217502E-01 | .93078098 |
| SEX | -1.1853824 | .33432082 |
| OCCUP | .18941260E-01 | .86808524E-01 |
| ENTAGE | -.11858493E-01 | .47476102E-01 |
| ETH1 | 1.3049806 | .59073364 |
| ETH2 | -2.0767576 | .93815369 |
| NOINC | .46049640E-02 | .93274215 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .14942081 | .25168359E-01 |
| NOFKW | -3.4968700 | 2.8368592 |
| LANG | -.37445543 | 2.4449104 |
| INCOME | .64411151E-04 | .10008704E-03 |
| NOOCCUP | 1.2196659 | 1.5574319 |
| SEX | -.12437700 | .55940324 |
| OCCUP | .85172552E-02 | .14525260 |
| ENTAGE | .57022968E-01 | .79439521E-01 |
| ETH1 | -1.0518455 | .98844671 |
| ETH2 | -.74569383 | 1.5697683 |
| NOINC | -.84450289 | 1.5607134 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .51239094E-01 | .83668281E-02 |
| NOFKW | -.34857930 | .94306956 |
| LANG | .21893554 | .81277230 |
| INCOME | .20114516E-04 | .33272373E-04 |
| NOOCCUP | .78257718 | .51774391 |
| SEX | .40311029 | .18596487 |
| OCCUP | .59571207E-01 | .48286961E-01 |
| ENTAGE | -.22815003E-01 | .26408429E-01 |
| ETH1 | .46188979E-01 | .32859368 |
| ETH2 | -.48384147 | .52184496 |
| NOINC | -.69781582 | .51883481 |

Table C6-IIIK-25 (cont.)

IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .36539521E-01 | .90926681E-02 |
| NOFKW | -.54660802 | 1.0248828 |
| LANG | .33397817 | .88320201 |
| INCOME | .16934677E-04 | .36158822E-04 |
| NOOCCUP | .78317332 | .80265929 |
| SEX | -.26473757E-02 | .20209772 |
| OCCUP | .29227574E-01 | .52475957E-01 |
| ENTAGE | -.30401520E-01 | .28699415E-01 |
| ETH1 | -.32633385 | .35709987 |
| ETH2 | -.46273868 | .56711611 |
| NOINC | -.57468108 | .56384482 |

MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .43061712 | .31211138E-01 |
| NOFKW | -.41938922 | 3.5179728 |
| LANG | 2.4964801 | 3.0319194 |
| INCOME | .14180506E-03 | .12411736E-03 |
| NOOCCUP | .92569481 | 1.9313623 |
| SEX | .31029101 | .69371275 |
| OCCUP | .22661341 | .18012692 |
| ENTAGE | -.12944860 | .98512494E-01 |
| ETH1 | 1.9033234 | 1.2257671 |
| ETH2 | .66612668 | 1.9466606 |
| NOINC | -.68537591 | 1.9354317 |

MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .25409386 | .21390158E-01 |
| NOFKW | -3.3522679 | 2.4109982 |
| LANG | 2.5398860 | 2.0778876 |
| INCOME | .71516238E-04 | .85062263E-04 |
| NOOCCUP | .59154791E-01 | 1.3236347 |
| SEX | .12467734 | .47542725 |
| OCCUP | .18450475 | .12344771 |
| ENTAGE | -.58428418E-01 | .67514291E-01 |
| ETH1 | 1.8723785 | .84006397 |
| ETH2 | -.74162835 | 1.3341192 |
| NOINC | -.47508308 | 1.3264237 |

MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .28534615 | .21930674E-01 |
| NOFKW | -.61541794 | 2.4719225 |
| LANG | 3.1144480 | 2.1303944 |
| INCOME | .66762170E-04 | .87211730E-04 |
| NOOCCUP | .44775665 | 1.3570821 |
| SEX | -.27038180E-01 | .48744099 |
| OCCUP | .11822742 | .12656715 |
| ENTAGE | -.42248216E-01 | .69220333E-01 |
| ETH1 | 1.6070672 | .86129184 |
| ETH2 | -.73954902 | 1.3678316 |
| NOINC | -.20460146 | 1.3599415 |

MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .23926714 | .22524608E-01 |
| NOFKW | -.36048813 | 2.5388680 |
| LANG | 2.0827037 | 2.1880905 |
| INCOME | .16284316E-04 | .89573629E-04 |
| NOOCCUP | .54570800 | 1.3938351 |
| SEX | .62835344 | .50064203 |
| OCCUP | .11071271 | .12999488 |
| ENTAGE | -.10371151E-01 | .71094982E-01 |
| ETH1 | 1.0067665 | .88461764 |
| ETH2 | -.95284427 | 1.4048756 |
| NUINC | -.37173795 | 1.3967719 |

MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .22479545 | .19360685E-01 |
| NOFKW | .58944867 | 2.1822454 |
| LANG | 2.0866179 | 1.8807400 |
| INCOME | .95511191E-04 | .76991653E-04 |
| NOOCCUP | .52089614 | 1.1980498 |
| SEX | .29682027 | .43031926 |
| OCCUP | .16456819 | .11173513 |
| ENTAGE | -.56527592E-01 | .61108613E-01 |
| ETH1 | 1.3457379 | .76035966 |
| ETH2 | -.37398683E-01 | 1.2075395 |
| NOINC | -.56613087 | 1.2005741 |

MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .12404793 | .10759484E-01 |
| NOFKW | -.22699070 | 1.2127585 |
| LANG | 1.6348644 | 1.0452002 |
| INCOME | .27619633E-04 | .42787250E-04 |
| NOOCCUP | .44584388 | .66580276 |
| SEX | .31871494 | .23914511 |
| OCCUP | .36737858E-01 | .62095548E-01 |
| ENTAGE | -.35402916E-01 | .33960428E-01 |
| ETH1 | .54298907 | .42256138 |
| ETH2 | -.76894832 | .67107659 |
| NOINC | -.34160247 | .66720562 |

MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .18733832 | .18358948E-01 |
| NOFKW | -1.7062446 | 2.0693343 |
| LANG | .60640231 | 1.7834290 |
| INCOME | .80216899E-04 | .73008044E-04 |
| NOOCCUP | .72868021E-01 | 1.1360618 |
| SEX | .32069922 | .40805420 |
| OCCUP | .14936951 | .10595387 |
| ENTAGE | -.10613355 | .57946805E-01 |
| ETH1 | .75878630 | .72101806 |
| ETH2 | -.81117930E-01 | 1.1450605 |
| NOINC | -.43040871 | 1.1384555 |

Table C6-IIIK(PS)-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K PRESCHOOL ADJUSTED LOCAL ANALYSES FOR THE BA MODEL

### CODE

SEX = Sex
ENTAGE = Entry Age
OCCUP = Occupation
NOOCCUP = Missing Occupation
INCOME = Income
NOINC = Missing Income
ETH2 = White vs. Other
ETH1 = White vs. Black
LANG = First Language
PSSOME = Some Preschool
PSHS = Head Start
FKW = Fall Kindergarten WRAT
FKWHS = FKW x Head Start
FKWSOME = FKW x Some Preschool

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .43869230 | 1.0684084 |
| ENTAGE | -.25308217 | .15139190 |
| OCCUP | .40629537 | .27709978 |
| NOOCCUP | 1.0239404 | 2.7618585 |
| INCOME | .18174568E-03 | .19162471E-03 |
| NOINC | -1.8356301 | 2.7681268 |
| ETH2 | -2.7298379 | 3.3930450 |
| ETH1 | 4.8185736 | 2.0664494 |
| LANG | 8.5772592 | 5.3238394 |
| PSSOME | -3.2153125 | 3.6539554 |
| PSHS | -5.2973672 | 3.1595346 |
| FKW | .73919964 | .68079135E-01 |
| FKWHS | .71203564E-01 | .10347237 |
| FKWSOME | -.38202336E-01 | .11775156 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .49590362 | 1.2313953 |
| ENTAGE | -.23488235 | .17448691 |
| OCCUP | .37593927 | .31937167 |
| NOOCCUP | 1.2077361 | 3.1831832 |
| INCOME | .13111005E-03 | .22085728E-03 |
| NOINC | -2.0304649 | 3.1904078 |
| ETH2 | -2.2857524 | 3.9106580 |
| ETH1 | 4.0097792 | 2.3816887 |
| LANG | 7.0009360 | 6.1359973 |
| PSSOME | -1.6901337 | 4.2113671 |
| PSHS | -6.0155541 | 3.6415253 |
| FKW | .83482130 | .78464486E-01 |
| FKWHS | .48353732E-01 | .11925720 |
| FKWSOME | -.97283764E-01 | .13571470 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 2.7315365 | .88112289 |
| ENTAGE | -.25524757 | .12485382 |
| OCCUP | .22589315 | .22852587 |
| NOOCCUP | 1.5854454 | 2.2777214 |
| INCOME | .10807962E-03 | .15803406E-03 |
| NOINC | -1.4344364 | 2.2828910 |
| ETH2 | -3.0075030 | 2.7982649 |
| ETH1 | 1.5349437 | 1.7042134 |
| LANG | 2.7042944 | 4.3906027 |
| PSSOME | -4.3422579 | 3.0134368 |
| PSHS | -3.5656480 | 2.6056874 |
| FKW | .51614887 | .56145276E-01 |
| FKWHS | .18447030E-01 | .85334293E-01 |
| FKWSOME | .43919805E-01 | .97110431E-01 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .62955726 | .54223780 |
| ENTAGE | -.18903992 | .76834301E-01 |
| OCCUP | .18165630 | .14063346 |
| NOOCCUP | .47182103 | 1.4016963 |
| INCOME | .93754210E-04 | .97253222E-04 |
| NOINC | -1.0456645 | 1.4048776 |
| ETH2 | -2.0150041 | 1.7220356 |
| ETH1 | 2.1118563 | 1.0487628 |
| LANG | 3.7179221 | 2.7019508 |
| PSSOME | -2.4331328 | 1.8544511 |
| PSHS | -1.8017463 | 1.6035245 |
| FKW | .32309606 | .34551470E-01 |
| FKWHS | .50768124E-01 | .52514218E-01 |
| FKWSOME | .27935028E-01 | .59761183E-01 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.3569574 | .33478714 |
| ENTAGE | -.19406550E-01 | .47438847E-01 |
| OCCUP | .39197172E-02 | .86829571E-01 |
| NOOCCUP | -.16429162E-02 | .86543189 |
| INCOME | .61600619E-04 | .60045848E-04 |
| NOINC | -.11271171 | .86739609 |
| ETH2 | -2.2863090 | 1.0632150 |
| ETH1 | 1.4126692 | .64752458 |
| LANG | 1.0589753 | 1.6682319 |
| PSSOME | .54735715 | 1.1449707 |
| PSHS | -.22099552 | .99004472 |
| FKW | .17707513 | .21332684E-01 |
| FKWHS | -.83117706E-02 | .32423200E-01 |
| FKWSOME | -.29955443E-01 | .36897604E-01 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .25461983E-01 | .57247069 |
| ENTAGE | .11596343E-01 | .81118257E-01 |
| OCCUP | -.26337199E-01 | .14847459 |
| NOOCCUP | 1.2796294 | 1.4798489 |
| INCOME | .51530393E-04 | .10267565E-03 |
| NOINC | -1.1456344 | 1.4832076 |
| ETH2 | -.82987459 | 1.8180490 |
| ETH1 | -.96696246 | 1.1072374 |
| LANG | -.23359797 | 2.8526002 |
| PSSOME | -.87680400 | 1.9578475 |
| PSHS | -1.3672042 | 1.6929303 |
| FKW | .17429183 | .36477914E-01 |
| FKWHS | -.94815631E-02 | .55442189E-01 |
| FKWSOME | .10660948E-02 | .63093214E-01 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .26634933 | .18493773 |
| ENTAGE | -.28202066E-01 | .26205405E-01 |
| OCCUP | .56441992E-01 | .47964996E-01 |
| NOOCCUP | .81581337 | .47806797 |
| INCOME | .11981142E-04 | .33169562E-04 |
| NOINC | -.70105132 | .47915300 |
| ETH2 | -.72709067 | .58732415 |
| ETH1 | .21876044 | .35769512 |
| LANG | .50151617 | .92153786 |
| PSSOME | -.22168257 | .63248630 |
| PSHS | .16120898 | .54690431 |
| FKW | .60402581E-01 | .11784259E-01 |
| FKWHS | -.10039033E-01 | .17910703E-01 |
| FKWSOME | .22542985E-02 | .20382381E-01 |

## Table C6-IIIK(PS)-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.67870481E-01 | .20446437 |
| ENTAGE | -.30142173E-01 | .26972302E-01 |
| OCCUP | .19295687E-01 | .53029378E-01 |
| NOOCCUP | .74672352 | .52854476 |
| INCOME | .62443166E-05 | .36671769E-04 |
| NOINC | -.64088695 | .52974435 |
| ETH2 | -.76552559 | .64933675 |
| ETH1 | -.15909597 | .39546234 |
| LANG | .73954481 | 1.0188384 |
| PSSOME | -.81270887E-01 | .69926734 |
| PSHS | -.29815381 | .60464918 |
| FKW | .46364101E-01 | .13028499E-01 |
| FKWHS | -.88630360E-02 | .19801804E-01 |
| FKWSOME | -.30110247E-02 | .22534454E-01 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .35306766 | .68530878 |
| ENTAGE | -.16676323 | .97107250E-01 |
| OCCUP | .21778946 | .17774000 |
| NOOCCUP | 1.0430839 | 1.7715378 |
| INCOME | .12105943E-03 | .12291376E-03 |
| NOINC | -1.0873497 | 1.7755585 |
| ETH2 | -1.7852457 | 2.1763996 |
| ETH1 | 3.0163950 | 1.3254819 |
| LANG | 5.9256208 | 3.4148683 |
| PSSOME | -2.3778726 | 2.3437533 |
| PSHS | -3.6121332 | 2.0266191 |
| FKW | .45980261 | .43667974E-01 |
| FKWHS | .56516759E-01 | .66370243E-01 |
| FKWSOME | -.15146029E-01 | .75529341E-01 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .85624636E-01 | .47430549 |
| ENTAGE | -.86318941E-01 | .67208393E-01 |
| OCCUP | .18850591 | .12301471 |
| NOOCCUP | -.19143503E-01 | 1.2260898 |
| INCOME | .60686259E-04 | .85069203E-04 |
| NOINC | -.74828040 | 1.2288726 |
| ETH2 | -.94459224 | 1.5062966 |
| ETH1 | 1.8021786 | .91737235 |
| LANG | 2.6516385 | 2.3634467 |
| PSSOME | -.83743993 | 1.6221229 |
| PSHS | -1.6852340 | 1.4026328 |
| FKW | .27939703 | .30222814E-01 |
| FKWHS | .14686804E-01 | .45935163E-01 |
| FKWSOME | -.23056307E-01 | .52274219E-01 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.92569355E-01 | .48054383 |
| ENTAGE | -.79207906E-01 | .68092356E-01 |
| OCCUP | .10488442 | .12463267 |
| NOOCCUP | .43217525 | 1.2422160 |
| INCOME | .50826830E-04 | .86188082E-04 |
| NOINC | -.58644368 | 1.2450354 |
| ETH2 | -1.3731577 | 1.5261082 |
| ETH1 | 1.6604618 | .92943815 |
| LANG | 3.7755863 | 2.3945321 |
| PSSOME | .10271272 | 1.6434580 |
| PSHS | -2.2588645 | 1.4210810 |
| FKW | .32860389 | .30620321E-01 |
| FKWHS | .97273665E-02 | .46539329E-01 |
| FKWSOME | -.68248231E-01 | .52961759E-01 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .35937022 | .50516326 |
| ENTAGE | -.58166879E-01 | .71580894E-01 |
| OCCUP | .10450959 | .13101790 |
| NOOCCUP | .38791883 | 1.3058578 |
| INCOME | -.85004195E-05 | .90603708E-04 |
| NOINC | -.58620710 | 1.3088216 |
| ETH2 | -.78500416 | 1.6042945 |
| ETH1 | 1.0036474 | .97705554 |
| LANG | 1.1844857 | 2.5172098 |
| PSSOME | -1.5944273 | 1.7276563 |
| PSHS | -2.5742501 | 1.4938864 |
| FKW | .24615839 | .32189075E-01 |
| FKWHS | .48043556E-01 | .48923652E-01 |
| FKWSOME | .12063995E-01 | .55675120E-01 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .22910275 | .42689599 |
| ENTAGE | -.97507483E-01 | .60490536E-01 |
| OCCUP | .16654526 | .11071870 |
| NOOCCUP | .38764201 | 1.1035352 |
| INCOME | .68783641E-04 | .76566058E-04 |
| NOINC | -.85781409 | 1.1060398 |
| ETH2 | -.12759045 | 1.3557338 |
| ETH1 | 1.3456699 | .82567582 |
| LANG | 2.0408640 | 2.1272069 |
| PSSOME | -.19841918 | 1.4599826 |
| PSHS | -1.1824395 | 1.2624317 |
| FKW | .26005901 | .27201874E-01 |
| FKWHS | -.94171905E-02 | .41343686E-01 |
| FKWSOME | -.41099529E-01 | .47049117E-01 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .27386896 | .24182674 |
| ENTAGE | -.63516782E-01 | .34266495E-01 |
| OCCUP | .26372604E-01 | .62719590E-01 |
| NOOCCUP | .42273080 | .62512728 |
| INCOME | .18281428E-04 | .43372908E-04 |
| NOINC | -.47633559 | .62654608 |
| ETH2 | -1.0296263 | .76799194 |
| ETH1 | .61940593 | .46772633 |
| LANG | 2.0784481 | 1.2050137 |
| PSSOME | -1.2682426 | .82704649 |
| PSHS | -1.0673119 | .71513848 |
| FKW | .12674463 | .15409235E-01 |
| FKWHS | .22190603E-01 | .23420245E-01 |
| FKWSOME | .23882058E-01 | .26652240E-01 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .35568830 | .41062415 |
| ENTAGE | -.12552314 | .58184840E-01 |
| OCCUP | .15528540 | .10649847 |
| NOOCCUP | .49090223E-01 | 1.0614722 |
| INCOME | .75472782E-04 | .73647617E-04 |
| NOINC | -.56934887 | 1.0638813 |
| ETH2 | -.98537777 | 1.3040577 |
| ETH1 | 1.4924504 | .79420383 |
| LANG | 1.6394740 | 2.0461249 |
| PSSOME | -1.1648903 | 1.4043329 |
| PSHS | -.73443438 | 1.2143121 |
| FKW | .19635143 | .26165029E-01 |
| FKWHS | .28577321E-01 | .39767803E-01 |
| FKWSOME | .40529700E-02 | .45255762E-01 |

Table C6-IIIK(PS)-26

### TREATMENT REGRESSION COEFFICIENTS AND STANDARD ERRORS BY OUTCOME FOR HEAD START STUDIES OF COHORT III-K SITES IN THE BA MODEL

| | | New York, NY | | Philadelphia, PA | | Portageville, MO | | Trenton, NJ | | Kansas City, MO | | Louisville, KY | | Waukegan, IL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local |
| Word Knowledge | b | -4.97** | -5.53** | - .61 | - .58 | .42 | .39 | 9.73** | 2.31 | -.28 | .93 | .31 | .70 | 4.50** | 1.45 |
| | Standard Error | 1.14 | 2.15 | .69 | 1.28 | 1.02 | 2.72 | .92 | 2.39 | 1.08 | 3.04 | .83 | 1.71 | 1.23 | 2.60 |
| Spelling | b | -5.82** | -6.57* | - .08 | .59 | -2.98* | -2.97 | 9.70** | 1.85 | 4.87** | 5.16 | .21 | 1.14 | 2.38 | - .98 |
| | Standard Error | 1.60 | 2.77 | .90 | 1.65 | 1.27 | 3.49 | 1.13 | 3.08 | 1.21 | 3.91 | 1.12 | 2.20 | 1.29 | 3.35 |
| Language | b | -4.22** | -4.32* | .74 | .89 | - .76 | -1.18 | 4.18** | -1.25 | -1.03 | .10 | - .46 | - .04 | 5.50** | 5.21* |
| | Standard Error | 1.13 | 1.70 | .52 | 1.02 | 1.24 | 2.15 | .60 | 1.89 | .88 | 2.41 | .65 | 1.35 | 1.26 | 2.06 |
| Math Computations | b | - .22 | - .63 | 3.14** | 2.87** | 2.17* | 1.99 | 3.45** | 2.64 | - .64 | - .75 | 4.31** | 4.74** | 4.07** | 3.28 |
| | Standard Error | 1.03 | 1.59 | .51 | .95 | 1.05 | 2.00 | .67 | 1.76 | .63 | 2.24 | .65 | 1.26 | .86 | 1.92 |
| Raven's | b | -3.75** | -3.60** | -1.17** | -1.25* | -2.03** | -2.39 | 2.12** | - .74 | -2.63** | -2.57 | - .90* | -1.10 | 1.20* | .15 |
| | Standard Error | .64 | 1.05 | .35 | .53 | .58 | 1.33 | .43 | 1.17 | .47 | 1.49 | .40 | .84 | .59 | 1.27 |
| Reading | b | -3.96** | -4.73** | - .12 | - .09 | -2.22** | -1.82 | 5.60** | 1.41 | -2.02* | - .77 | .29 | 1.31 | .48 | .39 |
| | Standard Error | .86 | 1.49 | .45 | .89 | .79 | 1.88 | .60 | 1.66 | .84 | 2.11 | .53 | 1.18 | .80 | 1.80 |
| Math Concepts | b | -3.29** | -3.90** | 1.44** | 1.62 | -1.06 | - .98 | 3.27** | 3.81* | .47 | .28 | 2.56** | 3.13** | -2.05* | -1.69 |
| | Standard Error | .90 | 1.51 | .48 | .90 | .77 | 1.91 | .60 | 1.68 | .68 | 2.13 | .55 | 1.20 | .83 | 1.83 |
| Math Problem Solving | b | -2.69** | -3.24* | .98* | .99 | -1.12 | -1.04 | .53 | 1.80 | -1.26* | - .95 | 1.29** | 1.85 | - .64 | .13 |
| | Standard Error | .67 | 1.34 | .45 | .80 | .87 | 1.69 | .55 | 1.49 | .59 | 1.90 | .50 | 1.07 | .85 | 1.62 |
| Coopersmith | b | -5.64** | -4.49* | - .01 | -2.45 | - .18 | - .53 | 4.01** | -1.60 | 2.12* | 2.31 | - .35 | -1.38 | 2.16* | .02 |
| | Standard Error | 1.19 | 1.80 | .60 | 1.07 | .36 | 2.27 | .68 | 2.00 | .90 | 2.54 | .76 | 1.43 | .92 | 2.18 |
| IARS(-) | b | - .85** | - .52 | .62** | .59 | - .23 | - .16 | 3.07** | 2.96** | - .20 | - .03 | 1.38** | 1.48** | - .39 | .13 |
| | Standard Error | .25 | .64 | .22 | .38 | .32 | .81 | .25 | .71 | .26 | .91 | .25 | .51 | .30 | .78 |
| IARS(+) | b | - .82** | - .92 | - .13 | - .18 | -1.25** | -1.27 | - .14 | 1.58* | - .87** | - .77 | - .07 | .44 | - .60 | .65 |
| | Standard Error | .30 | .58 | .20 | .35 | .33 | .73 | .21 | .65 | .25 | .82 | .22 | .46 | .30 | .70 |
| Total Reading | b | -8.92** | -10.27** | - .74 | - .68 | -1.79 | -1.43 | 15.33** | 3.72 | -2.29 | .15 | .60 | 2.01 | 4.98* | 1.85 |
| | Standard Error | 1.86 | 3.36 | 1.01 | 2.00 | 1.66 | 4.24 | 1.40 | 3.73 | 1.78 | 4.74 | 1.26 | 2.67 | 1.86 | 4.06 |
| Total Math | b | -6.20* | -7.79* | 5.55** | 5.47* | - .00 | - .03 | 7.25** | 8.26 | -1.44 | -1.42 | 8.16** | 9.72** | 1.38 | 1.72 |
| | Standard Error | 2.46 | 3.87 | 1.24 | 2.31 | 2.43 | 4.88 | 1.53 | 4.30 | 1.63 | 5.47 | 1.50 | 3.07 | 2.20 | 4.68 |
| Language Part A | b | -1.42** | -1.73* | .71** | .74 | - .71 | -1.09 | 2.60** | - .56 | - .06 | .21 | .11 | .12 | .12 | .63 |
| | Standard Error | .47 | .76 | .25 | .45 | .37 | .96 | .32 | .84 | .38 | 1.07 | .29 | .60 | .43 | .92 |
| Language Part B | b | -2.87** | -2.59* | .03 | .15 | - .05 | - .86 | 1.58** | - .69 | - .97 | - .11 | - .56 | -1.17 | 5.38** | 4.58** |
| | Standard Error | .87 | 1.29 | .39 | .77 | 1.04 | 1.63 | .43 | 1.43 | .63 | 1.82 | .48 | 1.02 | 1.02 | 1.56 |

* $p < .05$

** $p < .01$

Table C6-IIIK(PS)-27

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR BEHAVIOR ANALYSIS MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 301 | 114 | 170 | 585 | 127 | 170 | 465 | 762 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 28.92 | 30.25 | 25.43 | 28.16 | 26.24 | 29.89 | 24.80 | 26.17 |
| STANDARD DEVIATION | 11.46 | 11.38 | 11.47 | 11.57 | 12.77 | 11.84 | 11.75 | 12.10 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.27 | 13.72 | 13.65 | 13.48 | 13.48 | 13.87 | 13.94 | 13.78 |
| STANDARD DEVIATION | 1.73 | 2.12 | 1.96 | 1.90 | 1.80 | 2.05 | 2.07 | 1.99 |
| NUMBER | 174 | 82 | 96 | 352 | 86 | 61 | 132 | 279 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4108.63 | 4924.32 | 5121.45 | 4563.48 | 4305.69 | 5925.64 | 6182.24 | 5522.45 |
| STANDARD DEVIATION | 2393.44 | 2715.91 | 2937.42 | 2653.10 | 2574.36 | 3031.89 | 2969.67 | 2974.56 |
| MEDIAN | 3708.15 | 3899.50 | 4666.67 | 3860.57 | 3289.55 | 5700.00 | 6737.81 | 5211.06 |
| NUMBER | 173 | 82 | 88 | 343 | 87 | 58 | 125 | 270 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 4.05 | 7.32 | 13.64 | 7.29 | 5.75 | 22.41 | 16.00 | 14.07 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 6.98 | 2.63 | 7.65 | 6.32 | 7.09 | 3.53 | 5.59 | 5.38 |
| PERCENT BLACK | 87.38 | 95.61 | 89.41 | 89.57 | 85.04 | 92.35 | 86.02 | 87.27 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 58.14 | 53.51 | 54.71 | 56.24 | 50.39 | 57.65 | 50.54 | 52.10 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 64.07 | 63.01 | 63.35 | 63.66 | 63.56 | 62.64 | 62.75 | 62.86 |
| STANDARD DEVIATION | 3.43 | 4.19 | 3.65 | 3.67 | 4.02 | 3.85 | 3.73 | 3.82 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 94.68 | 99.12 | 99.41 | 96.92 | 92.91 | 97.06 | 91.83 | 93.18 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.23 | 11.78 | 11.57 | 11.45 | 11.20 | 11.89 | 10.02 | 10.80 |
| STANDARD DEVIATION | 2.57 | 2.15 | 2.46 | 2.45 | 2.49 | 2.10 | 3.61 | 3.09 |
| NUMBER | 161 | 79 | 89 | 329 | 81 | 59 | 126 | 266 |
| PERCENT HS GRAD | 39.13 | 46.84 | 40.45 | 41.34 | 35.80 | 50.85 | 27.78 | 35.34 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 45.56 | 47.13 | 40.21 | 44.51 | 39.33 | 36.51 | 26.32 | 32.63 |
| NUMBER | 180 | 87 | 97 | 364 | 89 | 63 | 133 | 285 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 51.45 | 100.00 | 0.00 | 0.00 | 16.67 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 19.49 | 0.00 | 100.00 | 0.00 | 22.31 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 29.06 | 0.00 | 0.00 | 100.00 | 61.02 |

Table C6-IIIK(PS)-28

### BACKGROUND VARIABLES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR BEHAVIOR ANALYSIS MODEL IN NEW YORK, NY

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 37 | 1 | 11 | 49 | 37 | 43 | 73 | 153 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 36.62 | 56.00 | 30.64 | 35.67 | 31.32 | 34.28 | 27.11 | 30.14 |
| STANDARD DEVIATION | 10.69 | 0.00 | 9.18 | 10.88 | 11.78 | 13.19 | 11.87 | 12.54 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.59 | 16.00 | 14.00 | 13.74 | 13.28 | 14.38 | 14.80 | 14.05 |
| STANDARD DEVIATION | 1.60 | 0.00 | 1.91 | 1.67 | 1.71 | 2.39 | 1.86 | 1.99 |
| NUMBER | 27 | 1 | 7 | 35 | 18 | 8 | 15 | 41 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4355.48 | 9999.00 | 5142.86 | 4674.20 | 5811.76 | 7016.33 | 6024.75 | 6091.29 |
| STANDARD DEVIATION | 2520.41 | 0.00 | 1845.59 | 2533.51 | 1775.49 | 2590.61 | 2977.47 | 2351.65 |
| MEDIAN | 3800.00 | 9999.00 | 4600.00 | 4200.00 | 5700.00 | 5300.00 | 6200.00 | 5766.33 |
| NUMBER | 27 | 1 | 7 | 35 | 17 | 6 | 12 | 35 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 7.41 | 100.00 | 0.00 | 8.57 | 0.00 | 33.33 | 25.00 | 14.29 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 2.70 | 0.00 | 0.00 | 2.04 | 0.00 | 2.33 | 2.74 | 1.96 |
| PERCENT BLACK | 64.86 | 100.00 | 63.64 | 65.31 | 72.97 | 90.70 | 90.41 | 86.27 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 51.35 | 100.00 | 54.55 | 53.06 | 45.95 | 55.81 | 47.95 | 49.67 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.13 | 63.81 | 63.33 | 63.19 | 62.51 | 64.05 | 62.61 | 62.99 |
| STANDARD DEVIATION | 3.28 | 0.00 | 3.67 | 3.30 | 3.64 | 3.92 | 3.39 | 3.64 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 70.27 | 100.00 | 90.91 | 75.51 | 75.68 | 95.35 | 90.41 | 88.24 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.48 | 13.00 | 11.63 | 11.56 | 10.59 | 11.41 | 9.83 | 10.48 |
| STANDARD DEVIATION | 3.11 | 0.00 | 1.06 | 2.79 | 2.32 | 3.52 | 3.66 | 3.06 |
| NUMBER | 26 | 1 | 6 | 33 | 19 | 8 | 15 | 42 |
| PERCENT HS GRAD | 61.54 | 100.00 | 33.33 | 57.58 | 26.32 | 50.00 | 26.67 | 30.95 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 41.38 | 0.00 | 42.86 | 40.54 | 47.37 | 0.00 | 26.67 | 30.95 |
| NUMBER | 29 | 1 | 7 | 37 | 19 | 8 | 15 | 42 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 75.51 | 100.00 | 0.00 | 0.00 | 24.18 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 2.04 | 0.00 | 100.00 | 0.00 | 28.10 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 22.45 | 0.00 | 0.00 | 100.00 | 47.71 |

Table C6-IIIK(PS)-28 (cont.)

## BACKGROUND VARIABLES
## FOR FT AND NFT CHILDREN
## IN COHORT III-K PRESCHOOL SAMPLE
## FOR BEHAVIOR ANALYSIS MODEL IN PHILADELPHIA, PA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 3 | 79 | 64 | 146 | 13 | 98 | 243 | 354 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 39.33 | 31.63 | 27.00 | 29.76 | 28.08 | 29.71 | 26.26 | 27.28 |
| STANDARD DEVIATION | 19.86 | 10.77 | 11.18 | 11.37 | 16.42 | 11.30 | 11.43 | 11.67 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.67 | 13.51 | 13.15 | 13.35 | 13.50 | 14.04 | 13.17 | 13.60 |
| STANDARD DEVIATION | 2.08 | 1.93 | 1.46 | 1.73 | 1.91 | 2.20 | 1.52 | 1.90 |
| NUMBER | 3 | 47 | 41 | 91 | 4 | 24 | 24 | 52 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 6966.33 | 4664.56 | 4958.22 | 4865.45 | 5325.00 | 6243.76 | 4621.74 | 5455.65 |
| STANDARD DEVIATION | 2638.24 | 2315.07 | 2973.54 | 2620.97 | 2611.99 | 2882.10 | 2554.67 | 2782.98 |
| MEDIAN | 5700.00 | 3849.75 | 4400.00 | 4333.67 | 6200.00 | 6200.00 | 3283.33 | 5300.00 |
| NUMBER | 3 | 48 | 36 | 87 | 4 | 25 | 23 | 52 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 33.33 | 2.08 | 11.11 | 6.90 | 0.00 | 24.00 | 0.00 | 11.54 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | .41 | 1.13 |
| PERCENT BLACK | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 94.90 | 95.47 | 95.48 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 33.33 | 55.70 | 56.25 | 55.48 | 53.85 | 60.20 | 53.50 | 55.37 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.94 | 62.42 | 61.58 | 62.08 | 61.81 | 61.50 | 62.15 | 61.96 |
| STANDARD DEVIATION | 1.16 | 3.90 | 3.33 | 3.64 | 4.07 | 3.45 | 3.63 | 3.60 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 98.98 | 96.30 | 97.18 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.32 | 11.56 | 10.88 | 11.30 | 11.46 | 12.18 | 11.25 | 11.71 |
| STANDARD DEVIATION | 1.18 | 1.59 | 2.28 | 1.92 | 1.02 | 1.31 | 1.56 | 1.46 |
| NUMBER | 3 | 45 | 35 | 83 | 4 | 25 | 23 | 52 |
| PERCENT HS GRAD | 66.67 | 42.22 | 31.43 | 38.55 | 25.00 | 52.00 | 26.09 | 38.46 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 66.67 | 46.15 | 43.90 | 45.83 | 25.00 | 42.31 | 54.17 | 46.30 |
| NUMBER | 3 | 52 | 41 | 96 | 4 | 26 | 24 | 54 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 2.05 | 100.00 | 0.00 | 0.00 | 3.67 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 54.11 | 0.00 | 100.00 | 0.00 | 27.68 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 43.84 | 0.00 | 0.00 | 100.00 | 68.64 |

Table C6-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR BEHAVIOR ANALYSIS MODEL IN PORTAGEVILLE, MO

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 30 | 1 | 13 | 44 | 19 | 3 | 17 | 39 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 36.63 | 52.00 | 33.69 | 36.11 | 27.32 | 17.67 | 23.47 | 24.90 |
| STANDARD DEVIATION | 10.52 | 0.00 | 14.38 | 11.84 | 13.91 | 3.79 | 13.83 | 13.45 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.83 | 16.00 | 16.73 | 14.66 | 13.42 | 13.33 | 15.53 | 14.33 |
| STANDARD DEVIATION | 1.83 | 0.00 | 2.72 | 2.44 | 1.92 | .58 | 2.60 | 2.40 |
| NUMBER | 29 | 1 | 11 | 41 | 19 | 3 | 17 | 39 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4476.57 | 8700.00 | 7559.50 | 5331.51 | 3389.42 | 3633.33 | 5741.00 | 4433.23 |
| STANDARD DEVIATION | 2611.78 | 0.00 | 3406.52 | 3103.12 | 2594.27 | 1887.68 | 3201.91 | 3008.77 |
| MEDIAN | 4300.00 | 8700.00 | 9599.50 | 4700.00 | 2524.87 | 3200.00 | 6200.00 | 3239.80 |
| NUMBER | 30 | 1 | 10 | 41 | 19 | 3 | 17 | 39 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 10.00 | 0.00 | 50.00 | 19.51 | 5.26 | 0.00 | 17.65 | 10.26 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 66.67 | 100.00 | 92.31 | 75.00 | 47.37 | 66.67 | 100.00 | 71.79 |
| PERCENT BLACK | 33.33 | 0.00 | 7.69 | 25.00 | 52.63 | 33.33 | 0.00 | 28.21 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 73.33 | 100.00 | 61.54 | 70.45 | 68.42 | 0.00 | 47.06 | 53.85 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 65.93 | 71.47 | 65.38 | 65.89 | 67.07 | 64.69 | 65.55 | 66.23 |
| STANDARD DEVIATION | 3.63 | 0.00 | 2.37 | 3.36 | 4.00 | 2.50 | 2.97 | 3.52 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 10.74 | 10.95 | 12.93 | 11.34 | 9.79 | 9.45 | 10.09 | 9.91 |
| STANDARD DEVIATION | 2.99 | 0.00 | 4.04 | 3.36 | 3.42 | 2.12 | 3.47 | 3.32 |
| NUMBER | 29 | 1 | 11 | 41 | 17 | 2 | 17 | 36 |
| PERCENT HS GRAD | 31.03 | 0.00 | 54.55 | 36.59 | 29.41 | 0.00 | 35.29 | 30.56 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 10.00 | 0.00 | 0.00 | 7.14 | 15.79 | 0.00 | 5.88 | 10.26 |
| NUMBER | 30 | 1 | 11 | 42 | 19 | 3 | 17 | 39 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 68.18 | 100.00 | 0.00 | 0.00 | 48.72 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 2.27 | 0.00 | 100.00 | 0.00 | 7.69 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 29.55 | 0.00 | 0.00 | 100.00 | 43.59 |

## Table C6-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR BEHAVIOR ANALYSIS MODEL IN TRENTON, NJ

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 99 | 2 | 0 | 101 | 2 | 11 | 31 | 44 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 26.87 | 21.50 | 0.00 | 26.76 | 22.50 | 25.18 | 24.81 | 24.80 |
| STANDARD DEVIATION | 10.27 | 14.85 | 0.00 | 10.30 | 3.54 | 7.47 | 10.32 | 9.37 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.04 | 14.50 | 0.00 | 13.10 | 14.50 | 13.73 | 14.15 | 14.00 |
| STANDARD DEVIATION | 1.63 | 2.12 | 0.00 | 1.65 | 2.12 | 1.62 | 1.95 | 1.77 |
| NUMBER | 46 | 2 | 0 | 48 | 2 | 11 | 13 | 26 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4228.26 | 5500.00 | 0.00 | 4281.25 | 3150.00 | 5629.70 | 6392.31 | 5827.88 |
| STANDARD DEVIATION | 2230.16 | 2404.16 | 0.00 | 2225.07 | 919.24 | 3333.58 | 2192.97 | 2719.11 |
| MEDIAN | 3833.33 | 5500.00 | 0.00 | 3850.00 | 3150.00 | 5450.00 | 7350.00 | 5266.67 |
| NUMBER | 46 | 2 | 0 | 48 | 2 | 10 | 13 | 25 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.00 | 0.00 | 12.00 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 2.27 |
| PERCENT BLACK | 94.95 | 50.00 | 0.00 | 94.06 | 100.00 | 90.91 | 87.10 | 88.64 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 61.62 | 0.00 | 0.00 | 60.40 | 100.00 | 45.45 | 45.16 | 47.73 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.87 | 61.49 | 0.00 | 63.83 | 60.78 | 62.95 | 63.48 | 63.23 |
| STANDARD DEVIATION | 3.19 | 3.64 | 0.00 | 3.20 | 1.46 | 3.79 | 3.35 | 3.40 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 94.95 | 50.00 | 0.00 | 94.06 | 100.00 | 90.91 | 96.77 | 95.45 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 10.55 | 7.50 | 0.00 | 10.42 | 11.98 | 12.49 | 11.42 | 11.93 |
| STANDARD DEVIATION | 2.75 | 7.78 | 0.00 | 2.98 | 1.45 | 2.09 | 1.53 | 1.79 |
| NUMBER | 46 | 2 | 0 | 48 | 2 | 10 | 11 | 23 |
| PERCENT HS GRAD | 23.91 | 50.00 | 0.00 | 25.00 | 50.00 | 70.00 | 36.36 | 52.17 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 58.33 | 0.00 | 0.00 | 56.00 | 100.00 | 54.55 | 7.69 | 34.62 |
| NUMBER | 48 | 2 | 0 | 50 | 2 | 11 | 13 | 26 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 98.02 | 100.00 | 0.00 | 0.00 | 4.55 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 1.98 | 0.00 | 100.00 | 0.00 | 25.00 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 70.45 |

Table C6-IIIK(PS)-28 (cont.)

## BACKGROUND VARIABLES
## FOR FT AND NFT CHILDREN
## IN COHORT III-K PRESCHOOL SAMPLE
## FOR BEHAVIOR ANALYSIS MODEL IN KANSAS CITY, MO

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 45 | 14 | 20 | 79 | 12 | 2 | 7 | 21 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 27.13 | 27.50 | 23.50 | 26.28 | 33.92 | 31.50 | 17.14 | 28.10 |
| STANDARD DEVIATION | 9.26 | 11.31 | 8.50 | 9.48 | 13.36 | .71 | 7.34 | 13.33 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 12.96 | 13.57 | 13.87 | 13.28 | 13.25 | 12.00 | 13.29 | 13.14 |
| STANDARD DEVIATION | 1.73 | 2.56 | 1.55 | 1.97 | 1.86 | 0.00 | 2.43 | 1.95 |
| NUMBER | 28 | 14 | 8 | 50 | 12 | 2 | 7 | 21 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 3088.69 | 4335.64 | 4849.87 | 3732.61 | 4116.58 | 5950.00 | 4857.00 | 4538.00 |
| STANDARD DEVIATION | 1797.29 | 2905.44 | 2797.18 | 2392.53 | 2480.19 | 2474.87 | 3701.96 | 2853.49 |
| MEDIAN | 2350.00 | 3400.00 | 5450.00 | 2600.00 | 3400.00 | 5950.00 | 2500.00 | 3800.00 |
| NUMBER | 27 | 14 | 8 | 49 | 12 | 2 | 7 | 21 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 7.14 | 12.50 | 4.08 | 8.33 | 0.00 | 14.29 | 9.52 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 7.14 | 0.00 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT BLACK | 100.00 | 92.86 | 100.00 | 98.73 | 100.00 | 100.00 | 100.00 | 100.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 55.56 | 42.86 | 50.00 | 51.90 | 50.00 | 50.00 | 71.43 | 57.14 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 65.05 | 65.83 | 65.27 | 65.24 | 64.73 | 67.15 | 66.05 | 65.40 |
| STANDARD DEVIATION | 3.63 | 4.83 | 2.80 | 3.65 | 3.92 | 4.32 | 3.77 | 3.79 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.46 | 12.36 | 12.60 | 11.92 | 11.46 | 10.95 | 11.36 | 11.39 |
| STANDARD DEVIATION | 1.69 | 1.92 | 2.95 | 2.03 | .95 | 0.00 | .92 | .87 |
| NUMBER | 24 | 13 | 8 | 45 | 8 | 1 | 5 | 14 |
| PERCENT HS GRAD | 29.17 | 46.15 | 50.00 | 37.78 | 25.00 | 0.00 | 20.00 | 21.43 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 67.86 | 64.29 | 62.50 | 66.00 | 33.33 | 50.00 | 14.29 | 28.57 |
| NUMBER | 28 | 14 | 8 | 50 | 12 | 2 | 7 | 21 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 56.96 | 100.00 | 0.00 | 0.00 | 57.14 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 17.72 | 0.00 | 100.00 | 0.00 | 9.52 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 25.32 | 0.00 | 0.00 | 100.00 | 33.33 |

Table C6-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR BEHAVIOR ANALYSIS MODEL IN LOUISVILLE, KY

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 71 | 6 | 31 | 108 | 43 | 10 | 52 | 105 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 25.35 | 20.33 | 20.68 | 23.73 | 19.14 | 19.00 | 16.44 | 17.79 |
| STANDARD DEVIATION | 11.33 | 7.45 | 11.57 | 11.37 | 8.16 | 6.20 | 10.06 | 9.04 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.15 | 13.50 | 13.00 | 13.16 | 13.70 | 13.70 | 13.47 | 13.64 |
| STANDARD DEVIATION | 1.92 | 1.97 | 1.48 | 1.80 | 1.84 | 2.50 | 1.46 | 1.85 |
| NUMBER | 33 | 6 | 12 | 51 | 30 | 10 | 15 | 55 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 3971.84 | 5416.67 | 3823.08 | 4103.90 | 4137.41 | 4211.00 | 6353.27 | 4742.77 |
| STANDARD DEVIATION | 2455.49 | 2464.48 | 2117.84 | 2379.19 | 2790.54 | 3273.33 | 3071.41 | 3052.17 |
| MEDIAN | 3233.17 | 6800.00 | 3250.00 | 3279.60 | 2650.00 | 2375.00 | 6849.75 | 3219.90 |
| NUMBER | 32 | 6 | 13 | 51 | 32 | 9 | 15 | 56 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 3.13 | 0.00 | 0.00 | 1.96 | 9.38 | 11.11 | 6.67 | 8.93 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.85 | 1.90 |
| PERCENT BLACK | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.15 | 98.10 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 56.34 | 16.67 | 61.29 | 55.56 | 44.19 | 70.00 | 48.08 | 48.57 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.07 | 60.08 | 64.75 | 63.39 | 63.27 | 64.19 | 62.17 | 62.81 |
| STANDARD DEVIATION | 3.23 | 2.39 | 2.99 | 3.29 | 3.63 | 3.80 | 4.08 | 3.90 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.30 | 12.14 | 11.63 | 12.09 | 12.34 | 12.18 | 11.84 | 12.17 |
| STANDARD DEVIATION | 1.62 | 3.02 | 1.01 | 1.71 | 1.92 | 1.42 | 1.83 | 1.80 |
| NUMBER | 25 | 6 | 12 | 43 | 30 | 10 | 15 | 55 |
| PERCENT HS GRAD | 60.00 | 50.00 | 33.33 | 51.16 | 50.00 | 50.00 | 40.00 | 47.27 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 39.39 | 33.33 | 46.15 | 40.38 | 46.88 | 50.00 | 46.67 | 47.37 |
| NUMBER | 33 | 6 | 13 | 52 | 32 | 10 | 15 | 57 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 65.74 | 100.00 | 0.00 | 0.00 | 40.95 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 5.56 | 0.00 | 100.00 | 0.00 | 9.52 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 28.70 | 0.00 | 0.00 | 100.00 | 49.52 |

Table C6-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR BEHAVIOR ANALYSIS MODEL IN WAUKEGAN, IL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 16 | 11 | 31 | 58 | 1 | 3 | 42 | 46 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 28.25 | 26.45 | 22.87 | 25.03 | 15.00 | 37.33 | 24.48 | 25.11 |
| STANDARD DEVIATION | 12.64 | 10.65 | 10.53 | 11.23 | 0.00 | 9.45 | 11.61 | 11.81 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 12.87 | 14.36 | 13.06 | 13.42 | 12.00 | 14.00 | 13.63 | 13.62 |
| STANDARD DEVIATION | 1.36 | 2.50 | 1.03 | 1.75 | 0.00 | 1.73 | 2.01 | 1.97 |
| NUMBER | 8 | 11 | 17 | 36 | 1 | 3 | 41 | 45 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4125.00 | 5699.70 | 5149.86 | 5065.47 | 2000.00 | 9499.67 | 7478.63 | 7492.55 |
| STANDARD DEVIATION | 2781.44 | 3992.41 | 3098.58 | 3280.55 | 0.00 | 699.64 | 2749.07 | 2806.19 |
| MEDIAN | 3200.00 | 2599.50 | 4800.00 | 4499.50 | 2000.00 | 9800.00 | 8033.17 | 8099.50 |
| NUMBER | 8 | 10 | 14 | 32 | 1 | 3 | 38 | 42 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 30.00 | 14.29 | 15.63 | 0.00 | 33.33 | 31.58 | 30.95 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 9.09 | 3.23 | 3.45 | 0.00 | 0.00 | 7.14 | 6.52 |
| PERCENT BLACK | 100.00 | 81.82 | 93.55 | 93.10 | 100.00 | 66.67 | 42.86 | 45.65 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 43.75 | 72.73 | 45.16 | 50.00 | 0.00 | 66.67 | 42.86 | 43.48 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 65.69 | 64.73 | 63.52 | 64.35 | 62.12 | 68.10 | 64.90 | 65.05 |
| STANDARD DEVIATION | 3.08 | 3.92 | 4.23 | 3.94 | 0.00 | 2.74 | 3.54 | 3.54 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 66.67 | 50.00 | 52.17 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.59 | 12.53 | 11.54 | 11.85 | 7.95 | 9.80 | 8.13 | 8.24 |
| STANDARD DEVIATION | 2.09 | 2.18 | 2.11 | 2.12 | 0.00 | 3.90 | 4.70 | 4.57 |
| NUMBER | 8 | 11 | 17 | 36 | 1 | 3 | 40 | 44 |
| PERCENT HS GRAD | 37.50 | 63.64 | 52.94 | 52.78 | 0.00 | 33.33 | 20.00 | 20.45 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 55.56 | 54.55 | 41.18 | 48.65 | 100.00 | 0.00 | 19.05 | 19.57 |
| NUMBER | 9 | 11 | 17 | 37 | 1 | 3 | 42 | 46 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 27.59 | 100.00 | 0.00 | 0.00 | 2.17 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 18.97 | 0.00 | 100.00 | 0.00 | 6.52 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 53.45 | 0.00 | 0.00 | 100.00 | 91.30 |

Table C6-IIIK(PS)-29

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR BEHAVIOR ANALYSIS MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 301 | 114 | 170 | 585 | 127 | 170 | 465 | 762 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 24.39 | 21.72 | 24.68 | 23.95 | 23.26 | 22.52 | 22.88 | 22.86 |
| STANDARD DEVIATION | 10.36 | 9.75 | 11.07 | 10.50 | 11.41 | 9.78 | 10.31 | 10.37 |
| SPELLING | | | | | | | | |
| MEAN | 19.34 | 19.39 | 21.31 | 19.92 | 18.92 | 19.34 | 19.43 | 19.33 |
| STANDARD DEVIATION | 12.46 | 12.90 | 12.61 | 12.60 | 13.82 | 12.03 | 12.94 | 12.88 |
| LANGUAGE | | | | | | | | |
| MEAN | 16.45 | 16.01 | 18.11 | 16.85 | 17.74 | 15.64 | 15.28 | 15.77 |
| STANDARD DEVIATION | 8.41 | 7.81 | 9.13 | 8.54 | 8.79 | 7.62 | 7.05 | 7.54 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 19.25 | 18.25 | 19.64 | 19.17 | 16.40 | 16.14 | 16.17 | 16.20 |
| STANDARD DEVIATION | 7.70 | 7.32 | 7.51 | 7.57 | 7.25 | 6.75 | 6.71 | 6.80 |
| RAVENS | | | | | | | | |
| MEAN | 16.54 | 16.49 | 16.55 | 16.53 | 18.10 | 17.45 | 17.27 | 17.45 |
| STANDARD DEVIATION | 4.67 | 4.63 | 4.93 | 4.73 | 4.89 | 4.31 | 4.63 | 4.61 |
| READING | | | | | | | | |
| MEAN | 17.97 | 16.18 | 18.28 | 17.71 | 18.13 | 17.14 | 16.86 | 17.14 |
| STANDARD DEVIATION | 6.40 | 6.11 | 7.28 | 6.65 | 7.85 | 6.95 | 7.03 | 7.16 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 16.92 | 16.49 | 17.97 | 17.14 | 15.34 | 15.61 | 15.83 | 15.70 |
| STANDARD DEVIATION | 6.97 | 6.40 | 7.30 | 6.98 | 7.77 | 6.51 | 7.38 | 7.26 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 13.02 | 12.42 | 13.99 | 13.19 | 12.50 | 12.32 | 12.28 | 12.32 |
| STANDARD DEVIATION | 6.34 | 5.99 | 6.71 | 6.40 | 6.55 | 5.60 | 6.10 | 6.06 |
| COOPERSMITH | | | | | | | | |
| MEAN | 35.67 | 35.08 | 35.74 | 35.57 | 34.76 | 36.56 | 36.39 | 36.16 |
| STANDARD DEVIATION | 7.21 | 7.61 | 7.30 | 7.31 | 7.60 | 7.32 | 7.21 | 7.32 |
| IARS(-) | | | | | | | | |
| MEAN | 10.56 | 10.37 | 10.76 | 10.58 | 10.09 | 10.18 | 9.88 | 9.99 |
| STANDARD DEVIATION | 2.35 | 2.60 | 2.39 | 2.41 | 2.89 | 2.79 | 2.85 | 2.84 |
| IARS(+) | | | | | | | | |
| MEAN | 13.02 | 12.73 | 12.93 | 12.94 | 13.20 | 13.11 | 12.83 | 12.95 |
| STANDARD DEVIATION | 2.16 | 2.30 | 2.42 | 2.27 | 2.23 | 2.64 | 2.55 | 2.52 |
| TOTAL READING | | | | | | | | |
| MEAN | 42.36 | 37.89 | 42.96 | 41.66 | 41.39 | 39.65 | 39.74 | 40.00 |
| STANDARD DEVIATION | 15.71 | 14.83 | 17.34 | 16.12 | 18.50 | 15.80 | 16.48 | 16.67 |
| TOTAL MATH | | | | | | | | |
| MEAN | 49.19 | 47.17 | 51.59 | 49.50 | 44.24 | 44.08 | 44.28 | 44.23 |
| STANDARD DEVIATION | 18.85 | 17.56 | 19.95 | 18.97 | 19.86 | 16.80 | 18.33 | 18.25 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.56 | 7.53 | 7.96 | 7.67 | 7.54 | 7.52 | 7.23 | 7.35 |
| STANDARD DEVIATION | 3.57 | 3.60 | 3.52 | 3.56 | 3.66 | 3.29 | 3.26 | 3.34 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.89 | 8.48 | 10.15 | 9.18 | 10.20 | 8.12 | 8.05 | 8.42 |
| STANDARD DEVIATION | 5.94 | 5.56 | 6.78 | 6.15 | 6.17 | 5.53 | 5.08 | 5.43 |

## Table C6-IIIK(PS)-30

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR BEHAVIOR ANALYSIS MODEL IN NEW YORK, NY

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 37 | 1 | 11 | 49 | 37 | 43 | 73 | 153 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 23.86 | 30.00 | 24.00 | 24.02 | 26.24 | 27.33 | 26.63 | 26.73 |
| STANDARD DEVIATION | 10.54 | 0.00 | 11.25 | 10.51 | 10.87 | 10.21 | 10.50 | 10.45 |
| SPELLING | | | | | | | | |
| MEAN | 18.95 | 40.00 | 19.82 | 19.57 | 22.24 | 22.72 | 24.26 | 23.34 |
| STANDARD DEVIATION | 13.78 | 0.00 | 15.72 | 14.24 | 13.27 | 12.12 | 12.34 | 12.46 |
| LANGUAGE | | | | | | | | |
| MEAN | 15.89 | 23.00 | 14.27 | 15.67 | 18.54 | 17.37 | 16.12 | 17.06 |
| STANDARD DEVIATION | 10.08 | 0.00 | 6.54 | 9.31 | 7.84 | 8.01 | 7.19 | 7.60 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 18.92 | 34.00 | 21.64 | 19.84 | 18.27 | 18.70 | 18.89 | 18.69 |
| STANDARD DEVIATION | 7.91 | 0.00 | 6.73 | 7.87 | 7.94 | 8.20 | 7.01 | 7.54 |
| RAVENS | | | | | | | | |
| MEAN | 15.14 | 20.00 | 15.09 | 15.22 | 18.32 | 17.81 | 16.59 | 17.35 |
| STANDARD DEVIATION | 4.44 | 0.00 | 5.07 | 4.54 | 5.17 | 4.35 | 4.12 | 4.49 |
| READING | | | | | | | | |
| MEAN | 17.19 | 22.00 | 18.00 | 17.47 | 19.14 | 21.21 | 20.11 | 20.18 |
| STANDARD DEVIATION | 7.35 | 0.00 | 6.63 | 7.09 | 7.41 | 7.87 | 7.36 | 7.51 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 13.97 | 21.00 | 17.00 | 14.80 | 15.62 | 17.40 | 17.53 | 17.03 |
| STANDARD DEVIATION | 6.34 | 0.00 | 7.38 | 6.63 | 7.18 | 7.32 | 6.50 | 6.90 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 11.08 | 20.00 | 12.45 | 11.57 | 12.54 | 13.77 | 13.64 | 13.41 |
| STANDARD DEVIATION | 6.48 | 0.00 | 6.17 | 6.42 | 6.26 | 6.35 | 5.79 | 6.04 |
| COOPERSMITH | | | | | | | | |
| MEAN | 32.57 | 40.00 | 34.55 | 33.16 | 37.24 | 37.16 | 37.41 | 37.30 |
| STANDARD DEVIATION | 7.22 | 0.00 | 7.41 | 7.22 | 6.22 | 7.80 | 7.02 | 7.03 |
| IARS(-) | | | | | | | | |
| MEAN | 10.68 | 10.00 | 10.64 | 10.65 | 11.24 | 11.12 | 11.26 | 11.22 |
| STANDARD DEVIATION | 1.49 | 0.00 | 2.06 | 1.60 | 2.78 | 2.08 | 2.51 | 2.45 |
| IARS(+) | | | | | | | | |
| MEAN | 13.05 | 10.00 | 13.73 | 13.14 | 13.57 | 13.93 | 13.63 | 13.70 |
| STANDARD DEVIATION | 2.03 | 0.00 | 2.57 | 2.18 | 2.13 | 2.18 | 1.83 | 2.00 |
| TOTAL READING | | | | | | | | |
| MEAN | 41.05 | 52.00 | 42.00 | 41.49 | 45.38 | 48.53 | 46.74 | 46.91 |
| STANDARD DEVIATION | 17.01 | 0.00 | 17.27 | 16.78 | 17.48 | 17.24 | 17.24 | 17.22 |
| TOTAL MATH | | | | | | | | |
| MEAN | 43.97 | 75.00 | 51.09 | 46.20 | 46.43 | 49.86 | 50.07 | 49.13 |
| STANDARD DEVIATION | 19.17 | 0.00 | 16.92 | 19.02 | 19.56 | 19.88 | 16.82 | 18.33 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.05 | 12.00 | 6.82 | 7.10 | 7.73 | 8.12 | 8.03 | 7.98 |
| STANDARD DEVIATION | 4.00 | 0.00 | 4.14 | 4.01 | 3.52 | 3.36 | 3.26 | 3.33 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.84 | 11.00 | 7.45 | 8.57 | 10.81 | 9.26 | 8.10 | 9.08 |
| STANDARD DEVIATION | 7.01 | 0.00 | 4.76 | 6.49 | 5.84 | 6.05 | 5.08 | 5.62 |

Table C6-IIIK(PS)-30 (cont.)

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR BEHAVIOR ANALYSIS MODEL IN PHILADELPHIA, PA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 3 | 79 | 64 | 146 | 13 | 98 | 243 | 354 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 25.67 | 20.99 | 21.00 | 21.09 | 23.15 | 20.85 | 21.49 | 21.37 |
| STANDARD DEVIATION | 11.93 | 9.55 | 10.18 | 9.82 | 11.65 | 8.85 | 9.96 | 9.71 |
| SPELLING | | | | | | | | |
| MEAN | 23.33 | 19.27 | 19.73 | 19.55 | 15.46 | 18.91 | 18.72 | 18.66 |
| STANDARD DEVIATION | 20.23 | 12.44 | 12.66 | 12.61 | 14.76 | 11.30 | 12.98 | 12.58 |
| LANGUAGE | | | | | | | | |
| MEAN | 28.33 | 15.73 | 16.41 | 16.29 | 15.23 | 15.12 | 14.72 | 14.85 |
| STANDARD DEVIATION | 18.90 | 7.01 | 7.60 | 7.72 | 9.43 | 7.71 | 6.94 | 7.24 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 23.33 | 18.41 | 18.17 | 18.40 | 13.77 | 15.09 | 15.31 | 15.19 |
| STANDARD DEVIATION | 14.57 | 6.99 | 7.32 | 7.28 | 7.08 | 5.75 | 6.60 | 6.39 |
| RAVENS | | | | | | | | |
| MEAN | 16.00 | 16.10 | 15.95 | 16.03 | 16.54 | 17.17 | 17.00 | 17.03 |
| STANDARD DEVIATION | 7.94 | 4.55 | 4.45 | 4.54 | 3.69 | 4.31 | 4.67 | 4.53 |
| READING | | | | | | | | |
| MEAN | 20.33 | 15.65 | 16.22 | 15.99 | 17.54 | 15.43 | 15.49 | 15.55 |
| STANDARD DEVIATION | 11.37 | 5.80 | 6.23 | 6.10 | 9.82 | 5.12 | 6.39 | 6.21 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 20.67 | 16.80 | 17.50 | 17.18 | 14.38 | 15.13 | 15.41 | 15.29 |
| STANDARD DEVIATION | [illegible] | 6.23 | 6.94 | 6.78 | 8.71 | 6.09 | 7.56 | 7.21 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | [illegible] | 12.59 | 13.19 | 12.99 | 9.85 | 11.72 | 11.67 | 11.62 |
| STANDARD DEVIATION | [illegible] | [illegible] | 6.14 | 6.13 | 5.52 | 5.23 | 5.89 | 5.70 |
| COOPERSMITH | | | | | | | | |
| MEAN | [illegible] | [illegible] | 35.33 | 35.46 | 32.31 | 35.74 | 35.63 | 35.54 |
| STANDARD DEVIATION | [illegible] | 7.68 | 7.42 | 7.51 | 9.10 | 7.36 | 7.17 | 7.30 |
| IARS(-) | | | | | | | | |
| MEAN | 9.67 | 10.38 | 10.39 | 10.37 | 8.85 | 9.81 | 9.81 | 9.77 |
| STANDARD DEVIATION | 3.06 | 2.64 | 2.72 | 2.66 | 3.26 | 2.90 | 2.69 | 2.77 |
| IARS(+) | | | | | | | | |
| MEAN | 13.33 | 12.94 | 12.28 | 12.66 | 12.31 | 12.80 | 12.87 | 12.83 |
| STANDARD DEVIATION | 2.89 | 2.27 | 2.59 | 2.43 | 2.53 | 2.57 | 2.34 | 2.41 |
| TOTAL READING | | | | | | | | |
| MEAN | 46.00 | 36.63 | 37.22 | 37.08 | 40.69 | 36.28 | 36.98 | 36.92 |
| STANDARD DEVIATION | 22.07 | 14.24 | 14.70 | 14.54 | 20.81 | 12.89 | 15.41 | 14.96 |
| TOTAL MATH | | | | | | | | |
| MEAN | 63.67 | 47.77 | 48.86 | 48.58 | 38.00 | 41.95 | 42.39 | 42.11 |
| STANDARD DEVIATION | 41.07 | 16.83 | 18.72 | 18.25 | 20.17 | 15.14 | 18.48 | 17.65 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 9.33 | 8.00 | 7.88 | 7.97 | 6.62 | 7.16 | 7.00 | 7.03 |
| STANDARD DEVIATION | 7.23 | 3.62 | 3.48 | 3.61 | 3.45 | 3.36 | 3.28 | 3.30 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 19.00 | 7.73 | 8.53 | 8.32 | 8.62 | 7.96 | 7.72 | 7.82 |
| STANDARD DEVIATION | 11.79 | 4.51 | 5.30 | 5.26 | 6.60 | 5.39 | 4.91 | 5.10 |

Table C6-IIIK(PS)-30 (cont.)

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR BEHAVIOR ANALYSIS MODEL IN PORTAGEVILLE, MO

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 30 | 1 | 13 | 44 | 19 | 3 | 17 | 39 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 30.43 | 41.00 | 37.00 | 32.61 | 26.21 | 24.00 | 27.88 | 26.77 |
| STANDARD DEVIATION | 9.12 | 0.00 | 9.34 | 9.55 | 11.18 | 16.64 | 10.40 | 10.99 |
| SPELLING | | | | | | | | |
| MEAN | 24.03 | 36.00 | 30.15 | 26.11 | 23.47 | 20.33 | 22.35 | 22.74 |
| STANDARD DEVIATION | 9.50 | 0.00 | 8.23 | 9.49 | 12.55 | 16.65 | 9.94 | 11.47 |
| LANGUAGE | | | | | | | | |
| MEAN | 21.90 | 40.00 | 28.54 | 24.27 | 21.58 | 19.00 | 20.65 | 20.97 |
| STANDARD DEVIATION | 8.40 | 0.00 | 11.43 | 9.96 | 9.65 | 12.49 | 9.06 | 9.35 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 23.10 | 32.00 | 29.08 | 25.07 | 19.68 | 25.67 | 19.35 | 20.00 |
| STANDARD DEVIATION | 6.30 | 0.00 | 8.63 | 7.50 | 6.77 | 10.02 | 5.57 | 6.55 |
| RAVENS | | | | | | | | |
| MEAN | 19.07 | 26.00 | 22.46 | 20.23 | 20.47 | 23.00 | 21.41 | 21.08 |
| STANDARD DEVIATION | 4.48 | 0.00 | 4.33 | 4.69 | 5.37 | 3.61 | 3.71 | 4.54 |
| READING | | | | | | | | |
| MEAN | 21.50 | 34.00 | 26.77 | 23.34 | 20.79 | 21.67 | 23.29 | 21.95 |
| STANDARD DEVIATION | 6.25 | 0.00 | 8.04 | 7.28 | 9.32 | 15.31 | 7.74 | 8.96 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 21.03 | 35.00 | 26.46 | 22.95 | 19.79 | 23.33 | 20.47 | 20.36 |
| STANDARD DEVIATION | 5.17 | 0.00 | 6.81 | 6.38 | 7.69 | 7.37 | 7.05 | 7.25 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 17.10 | 32.00 | 24.15 | 19.52 | 16.32 | 21.00 | 18.71 | 17.72 |
| STANDARD DEVIATION | 5.79 | 0.00 | 7.66 | 7.29 | 7.85 | 12.00 | 6.32 | 7.48 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.67 | 41.00 | 40.08 | 36.41 | 34.89 | 36.33 | 35.41 | 35.23 |
| STANDARD DEVIATION | 8.98 | 0.00 | 8.53 | 9.02 | 5.85 | 5.03 | 8.08 | 6.72 |
| IARS(-) | | | | | | | | |
| MEAN | 12.13 | 7.00 | 11.85 | 11.93 | 11.53 | 10.67 | 12.24 | 11.77 |
| STANDARD DEVIATION | 1.81 | 0.00 | 2.48 | 2.13 | 2.27 | 1.53 | 2.02 | 2.12 |
| IARS(+) | | | | | | | | |
| MEAN | 13.13 | 14.00 | 14.08 | 13.43 | 14.05 | 14.67 | 13.88 | 14.03 |
| STANDARD DEVIATION | 2.25 | 0.00 | 1.61 | 2.08 | 2.41 | 1.15 | 1.93 | 2.11 |
| TOTAL READING | | | | | | | | |
| MEAN | 51.93 | 75.00 | 63.77 | 55.95 | 47.00 | 45.67 | 51.18 | 48.72 |
| STANDARD DEVIATION | 14.52 | 0.00 | 17.00 | 16.15 | 19.51 | 31.94 | 17.52 | 19.19 |
| TOTAL MATH | | | | | | | | |
| MEAN | 61.23 | 99.00 | 79.69 | 67.55 | 55.79 | 70.00 | 58.53 | 58.08 |
| STANDARD DEVIATION | 14.81 | 0.00 | 22.85 | 19.73 | 20.43 | 29.05 | 16.45 | 19.23 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 10.00 | 13.00 | 10.85 | 10.32 | 9.42 | 9.00 | 10.29 | 9.77 |
| STANDARD DEVIATION | 2.82 | 0.00 | 2.64 | 2.76 | 3.04 | 3.00 | 2.76 | 2.88 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 11.90 | 27.00 | 17.69 | 13.95 | 12.16 | 10.00 | 10.35 | 11.21 |
| STANDARD DEVIATION | 6.47 | 0.00 | 9.09 | 7.90 | 7.34 | 9.64 | 7.21 | 7.29 |

Table C6-IIIK(PS)-30 (cont.)

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR BEHAVIOR ANALYSIS MODEL IN TRENTON, NJ

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 99 | 2 | 0 | 101 | 2 | 11 | 31 | 44 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 24.11 | 19.00 | 0.00 | 24.01 | 13.00 | 18.73 | 24.55 | 22.57 |
| STANDARD DEVIATION | 10.14 | 14.14 | 0.00 | 10.16 | 5.66 | 7.62 | 9.14 | 9.13 |
| SPELLING | | | | | | | | |
| MEAN | 18.85 | 14.00 | 0.00 | 18.75 | 7.50 | 13.82 | 20.48 | 18.23 |
| STANDARD DEVIATION | 11.77 | 18.38 | 0.00 | 11.82 | .71 | 11.78 | 12.36 | 12.36 |
| LANGUAGE | | | | | | | | |
| MEAN | 14.13 | 18.50 | 0.00 | 14.22 | 9.50 | 12.73 | 16.32 | 15.11 |
| STANDARD DEVIATION | 6.51 | 6.36 | 0.00 | 6.51 | 3.54 | 4.29 | 6.48 | 6.15 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 18.88 | 25.50 | 0.00 | 19.01 | 14.00 | 17.09 | 16.81 | 16.75 |
| STANDARD DEVIATION | 6.94 | 13.44 | 0.00 | 7.06 | 4.24 | 6.88 | 6.63 | 6.52 |
| RAVENS | | | | | | | | |
| MEAN | 15.36 | 16.50 | 0.00 | 15.39 | 12.00 | 16.09 | 17.26 | 16.73 |
| STANDARD DEVIATION | 4.74 | 3.54 | 0.00 | 4.71 | 5.66 | 4.32 | 4.90 | 4.81 |
| READING | | | | | | | | |
| MEAN | 17.39 | 20.50 | 0.00 | 17.46 | 11.00 | 15.36 | 17.61 | 16.75 |
| STANDARD DEVIATION | 6.45 | 9.19 | 0.00 | 6.46 | 0.00 | 8.21 | 7.15 | 7.35 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 17.35 | 20.50 | 0.00 | 17.42 | 12.50 | 12.55 | 15.58 | 14.68 |
| STANDARD DEVIATION | 6.79 | 10.61 | 0.00 | 6.82 | 6.36 | 5.87 | 6.58 | 6.41 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 12.59 | 17.50 | 0.00 | 12.68 | 10.50 | 10.82 | 12.10 | 11.70 |
| STANDARD DEVIATION | 5.93 | 9.19 | 0.00 | 5.98 | 2.12 | 3.22 | 5.91 | 5.22 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.01 | 34.00 | 0.00 | 35.97 | 33.50 | 38.36 | 38.84 | 38.48 |
| STANDARD DEVIATION | 6.68 | 1.41 | 0.00 | 6.62 | 13.44 | 8.35 | 5.27 | 6.40 |
| IARS(-) | | | | | | | | |
| MEAN | 10.51 | 8.00 | 0.00 | 10.46 | 7.00 | 8.91 | 7.71 | 7.98 |
| STANDARD DEVIATION | 2.46 | 0.00 | 0.00 | 2.46 | 1.41 | 3.14 | 3.63 | 3.44 |
| IARS(+) | | | | | | | | |
| MEAN | 12.90 | 13.50 | 0.00 | 12.91 | 13.00 | 12.18 | 11.03 | 11.41 |
| STANDARD DEVIATION | 2.19 | .71 | 0.00 | 2.17 | 1.41 | 4.75 | 3.87 | 4.01 |
| TOTAL READING | | | | | | | | |
| MEAN | 41.51 | 39.50 | 0.00 | 41.47 | 24.00 | 34.09 | 42.16 | 39.32 |
| STANDARD DEVIATION | 15.48 | 23.33 | 0.00 | 15.51 | 5.66 | 14.92 | 14.94 | 15.23 |
| TOTAL MATH | | | | | | | | |
| MEAN | 48.62 | 63.50 | 0.00 | 49.11 | 37.00 | 40.45 | 44.48 | 43.14 |
| STANDARD DEVIATION | 16.86 | 33.23 | 0.00 | 17.15 | 8.49 | 12.72 | 16.42 | 15.24 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.17 | 7.00 | 0.00 | 7.17 | 4.50 | 7.55 | 8.16 | 7.84 |
| STANDARD DEVIATION | 3.59 | 2.83 | 0.00 | 3.57 | .71 | 2.77 | 2.89 | 2.87 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 6.96 | 11.50 | 0.00 | 7.05 | 5.00 | 5.18 | 8.16 | 7.27 |
| STANDARD DEVIATION | 4.22 | 3.54 | 0.00 | 4.24 | 4.24 | 3.40 | 4.89 | 4.66 |

## Table C6-IIIK(PS)-30 (cont.)

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR BEHAVIOR ANALYSIS MODEL IN KANSAS CITY, MO

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 45 | 14 | 20 | 79 | 12 | 2 | 7 | 21 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 25.07 | 23.29 | 24.50 | 24.61 | 26.58 | 34.50 | 19.29 | 24.90 |
| STANDARD DEVIATION | 10.84 | 9.69 | 10.49 | 10.45 | 13.57 | 14.85 | 8.60 | 12.51 |
| SPELLING | | | | | | | | |
| MEAN | 22.87 | 22.93 | 21.40 | 22.51 | 22.50 | 20.00 | 11.71 | 18.67 |
| STANDARD DEVIATION | 11.57 | 14.18 | 13.58 | 12.42 | 14.27 | 18.38 | 11.13 | 13.86 |
| LANGUAGE | | | | | | | | |
| MEAN | 14.56 | 13.86 | 16.95 | 15.04 | 19.00 | 21.50 | 9.43 | 16.05 |
| STANDARD DEVIATION | 7.37 | 9.40 | 8.39 | 7.99 | 8.86 | 14.85 | 4.47 | 9.15 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 15.29 | 14.64 | 17.75 | 15.80 | 18.92 | 14.50 | 15.43 | 17.33 |
| STANDARD DEVIATION | 5.21 | 7.33 | 7.06 | 6.15 | 6.24 | 4.95 | 4.16 | 5.61 |
| RAVENS | | | | | | | | |
| MEAN | 17.18 | 18.14 | 16.00 | 17.05 | 21.58 | 20.00 | 17.00 | 19.90 |
| STANDARD DEVIATION | 4.22 | 4.29 | 5.07 | 4.46 | 4.19 | 5.66 | 1.53 | 4.07 |
| READING | | | | | | | | |
| MEAN | 17.67 | 17.14 | 17.65 | 17.57 | 20.17 | 30.00 | 14.57 | 19.24 |
| STANDARD DEVIATION | 5.83 | 6.95 | 8.09 | 6.58 | 8.49 | 5.66 | 5.56 | 8.38 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 15.00 | 15.07 | 17.00 | 15.52 | 18.50 | 14.00 | 12.29 | 16.00 |
| STANDARD DEVIATION | 6.33 | 5.46 | 8.38 | 6.74 | 7.10 | 7.07 | 6.42 | 7.18 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 10.52 | 10.43 | 12.30 | 11.01 | 14.83 | 13.00 | 8.71 | 12.62 |
| STANDARD DEVIATION | 4.89 | 5.79 | 6.86 | 5.58 | 7.71 | 2.83 | 3.35 | 6.69 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.64 | 33.71 | 36.10 | 35.99 | 34.58 | 40.00 | 31.43 | 34.05 |
| STANDARD DEVIATION | 6.65 | 9.59 | 6.97 | 7.30 | 9.12 | 4.24 | 6.40 | 8.07 |
| IARS(-) | | | | | | | | |
| MEAN | 10.71 | 10.93 | 10.90 | 10.80 | 11.17 | 12.00 | 10.00 | 10.86 |
| STANDARD DEVIATION | 2.24 | 2.76 | 2.17 | 2.29 | 1.95 | 1.41 | 1.83 | 1.90 |
| IARS(+) | | | | | | | | |
| MEAN | 13.13 | 12.00 | 13.55 | 13.04 | 14.00 | 15.00 | 13.29 | 13.86 |
| STANDARD DEVIATION | 2.17 | 2.25 | 2.06 | 2.19 | 1.35 | 1.41 | 3.04 | 2.03 |
| TOTAL READING | | | | | | | | |
| MEAN | 42.73 | 40.43 | 42.15 | 42.18 | 46.75 | 64.50 | 33.86 | 44.14 |
| STANDARD DEVIATION | 15.23 | 15.89 | 17.88 | 15.86 | 21.60 | 20.51 | 13.33 | 20.34 |
| TOTAL MATH. | | | | | | | | |
| MEAN | 40.91 | 40.14 | 47.05 | 42.33 | 52.25 | 41.50 | 36.43 | 45.95 |
| STANDARD DEVIATION | 14.15 | 15.19 | 21.17 | 16.38 | 19.91 | 4.95 | 10.98 | 17.69 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.02 | 6.64 | 7.40 | 7.05 | 8.67 | 8.50 | 4.43 | 7.24 |
| STANDARD DEVIATION | 3.46 | 3.93 | 3.27 | 3.46 | 3.89 | 3.54 | 3.15 | 4.01 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 7.53 | 7.21 | 9.55 | 7.99 | 10.33 | 13.00 | 5.00 | 8.81 |
| STANDARD DEVIATION | 5.07 | 6.67 | 6.26 | 5.69 | 6.39 | 11.31 | 3.11 | 6.32 |

Table C6-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR BEHAVIOR ANALYSIS MODEL IN LOUISVILLE, KY

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 71 | 6 | 31 | 108 | 43 | 10 | 52 | 105 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 21.97 | 14.50 | 22.23 | 21.63 | 19.26 | 18.40 | 18.38 | 18.74 |
| STANDARD DEVIATION | 10.43 | 7.71 | 8.58 | 9.88 | 10.39 | 9.54 | 8.57 | 9.36 |
| SPELLING | | | | | | | | |
| MEAN | 16.69 | 7.50 | 18.84 | 16.80 | 15.02 | 12.60 | 11.83 | 13.21 |
| STANDARD DEVIATION | 13.31 | 13.35 | 13.15 | 13.37 | 13.54 | 14.11 | 11.34 | 12.52 |
| LANGUAGE | | | | | | | | |
| MEAN | 18.01 | 10.00 | 15.19 | 16.76 | 16.21 | 15.40 | 13.96 | 15.02 |
| STANDARD DEVIATION | 8.58 | 3.16 | 7.60 | 8.32 | 8.81 | 4.12 | 4.87 | 6.76 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 19.72 | 14.33 | 18.10 | 18.95 | 13.56 | 13.00 | 12.50 | 12.98 |
| STANDARD DEVIATION | 8.82 | 8.76 | 6.38 | 8.23 | 6.21 | 3.74 | 5.10 | 5.46 |
| RAVENS | | | | | | | | |
| MEAN | 17.13 | 13.50 | 16.16 | 16.65 | 16.77 | 18.00 | 16.94 | 16.97 |
| STANDARD DEVIATION | 4.37 | 4.64 | 4.81 | 4.55 | 4.02 | 3.20 | 4.24 | 4.04 |
| READING | | | | | | | | |
| MEAN | 18.03 | 12.50 | 17.03 | 17.44 | 16.14 | 13.10 | 14.23 | 14.90 |
| STANDARD DEVIATION | 5.76 | 2.26 | 6.69 | 6.01 | 6.47 | 3.63 | 5.18 | 5.69 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 17.10 | 12.17 | 16.94 | 16.78 | 12.58 | 13.20 | 11.83 | 12.27 |
| STANDARD DEVIATION | 7.10 | 7.55 | 6.56 | 7.00 | 7.41 | 4.34 | 6.00 | 6.46 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 13.80 | 9.00 | 12.87 | 13.27 | 10.93 | 10.90 | 9.87 | 10.40 |
| STANDARD DEVIATION | 6.53 | 3.52 | 5.54 | 6.19 | 5.58 | 3.90 | 4.92 | 5.10 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.24 | 29.33 | 33.87 | 35.18 | 33.58 | 38.70 | 37.21 | 35.87 |
| STANDARD DEVIATION | 7.33 | 6.59 | 7.21 | 7.41 | 8.08 | 5.29 | 8.04 | 8.02 |
| IARS(-) | | | | | | | | |
| MEAN | 10.06 | 11.50 | 11.19 | 10.46 | 8.70 | 9.90 | 8.81 | 8.87 |
| STANDARD DEVIATION | 2.56 | 3.39 | 2.34 | 2.58 | 2.59 | 3.45 | 2.68 | 2.71 |
| IARS(+) | | | | | | | | |
| MEAN | 12.96 | 10.83 | 12.35 | 12.67 | 12.56 | 12.80 | 12.02 | 12.31 |
| STANDARD DEVIATION | 2.26 | 3.19 | 2.23 | 2.34 | 2.21 | 2.25 | 2.41 | 2.31 |
| TOTAL READING | | | | | | | | |
| MEAN | 40.00 | 27.00 | 39.26 | 39.06 | 35.40 | 31.50 | 32.62 | 33.65 |
| STANDARD DEVIATION | 15.46 | 9.14 | 14.21 | 15.02 | 16.15 | 13.01 | 12.72 | 14.20 |
| TOTAL MATH | | | | | | | | |
| MEAN | 50.62 | 35.50 | 47.90 | 49.00 | 37.07 | 37.10 | 34.19 | 35.65 |
| STANDARD DEVIATION | 20.92 | 19.35 | 16.62 | 19.84 | 17.42 | 9.89 | 14.07 | 15.17 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.62 | 3.83 | 7.13 | 7.27 | 6.63 | 7.70 | 6.10 | 6.47 |
| STANDARD DEVIATION | 3.24 | .75 | 3.55 | 3.34 | 3.82 | 2.95 | 2.70 | 3.23 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 10.39 | 6.17 | 8.06 | 9.49 | 9.58 | 7.70 | 7.87 | 8.55 |
| STANDARD DEVIATION | 6.36 | 3.49 | 5.03 | 5.99 | 5.80 | 3.33 | 3.60 | 4.66 |

Table C6-IIIK(PS)-30 (cont.)

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR BEHAVIOR ANALYSIS MODEL IN WAUKEGAN, IL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 16 | 11 | 31 | 58 | 1 | 3 | 42 | 46 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 24.44 | 26.91 | 29.90 | 27.83 | 11.00 | 26.33 | 27.26 | 26.85 |
| STANDARD DEVIATION | 8.56 | 8.79 | 11.09 | 10.17 | 0.00 | 6.11 | 11.01 | 10.85 |
| SPELLING | | | | | | | | |
| MEAN | 15.50 | 19.82 | 23.77 | 20.74 | 2.00 | 26.00 | 23.88 | 23.54 |
| STANDARD DEVIATION | 12.58 | 10.53 | 10.31 | 11.40 | 0.00 | 13.86 | 12.38 | 12.61 |
| LANGUAGE | | | | | | | | |
| MEAN | 18.00 | 20.73 | 22.29 | 20.81 | 15.00 | 12.00 | 16.67 | 16.33 |
| STANDARD DEVIATION | 7.70 | 8.03 | 9.65 | 8.91 | 0.00 | 7.00 | 8.16 | 8.02 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 23.31 | 19.91 | 20.74 | 21.29 | 16.00 | 12.33 | 19.29 | 18.76 |
| STANDARD DEVIATION | 8.55 | 3.75 | 6.10 | 6.56 | 0.00 | 3.06 | 6.09 | 6.11 |
| RAVENS | | | | | | | | |
| MEAN | 18.06 | 17.64 | 16.58 | 17.19 | 13.00 | 17.33 | 18.81 | 18.59 |
| STANDARD DEVIATION | 4.67 | 4.72 | 4.80 | 4.71 | 0.00 | 6.03 | 5.24 | 5.24 |
| READING | | | | | | | | |
| MEAN | 16.94 | 17.82 | 20.74 | 19.14 | 14.00 | 21.33 | 19.67 | 19.65 |
| STANDARD DEVIATION | 6.21 | 5.64 | 6.49 | 6.40 | 0.00 | 6.66 | 7.68 | 7.53 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 17.31 | 15.64 | 17.39 | 17.03 | 19.00 | 18.33 | 19.21 | 19.15 |
| STANDARD DEVIATION | 7.92 | 5.20 | 6.41 | 6.58 | 0.00 | 7.57 | 7.29 | 7.15 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 14.62 | 12.36 | 14.13 | 13.93 | 16.00 | 12.33 | 14.50 | 14.39 |
| STANDARD DEVIATION | 7.00 | 3.96 | 5.29 | 5.57 | 0.00 | 3.21 | 6.88 | 6.63 |
| COOPERSMITH | | | | | | | | |
| MEAN | 37.31 | 35.73 | 36.84 | 36.76 | 27.00 | 38.67 | 37.48 | 37.33 |
| STANDARD DEVIATION | 6.46 | 5.39 | 6.36 | 6.14 | 0.00 | 3.51 | 7.10 | 7.00 |
| IARS(-) | | | | | | | | |
| MEAN | 9.75 | 9.73 | 10.61 | 10.21 | 10.00 | 13.00 | 9.88 | 10.09 |
| STANDARD DEVIATION | 2.29 | 1.68 | 1.82 | 1.95 | 0.00 | 1.00 | 2.57 | 2.58 |
| IARS(+) | | | | | | | | |
| MEAN | 13.37 | 13.18 | 13.68 | 13.50 | 14.00 | 13.33 | 13.00 | 13.04 |
| STANDARD DEVIATION | 1.93 | 1.69 | 2.24 | 2.07 | 0.00 | .58 | 3.08 | 2.95 |
| TOTAL READING | | | | | | | | |
| MEAN | 41.37 | 44.73 | 50.65 | 46.97 | 25.00 | 47.67 | 46.93 | 46.50 |
| STANDARD DEVIATION | 13.63 | 13.30 | 16.95 | 15.76 | 0.00 | 12.50 | 17.98 | 17.67 |
| TOTAL MATH | | | | | | | | |
| MEAN | 55.25 | 47.91 | 52.26 | 52.26 | 51.00 | 43.00 | 53.00 | 52.30 |
| STANDARD DEVIATION | 20.95 | 11.08 | 16.00 | 16.67 | 0.00 | 8.19 | 18.49 | 17.91 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.50 | 6.45 | 8.52 | 7.84 | 8.00 | 7.67 | 7.12 | 7.17 |
| STANDARD DEVIATION | 3.31 | 2.38 | 3.33 | 3.22 | 0.00 | 4.51 | 3.09 | 3.10 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 10.50 | 14.27 | 13.77 | 12.97 | 7.00 | 4.33 | 9.55 | 9.15 |
| STANDARD DEVIATION | 5.16 | 6.45 | 7.61 | 6.87 | 0.00 | 3.51 | 6.48 | 6.37 |

## Table C7-IIIK-1

## ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT III KINDERGARTEN SITES IN THE COGNITIVE CURRICULUM MODEL

| | | NEW YORK, NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 5.8 | 7.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | 3 | 5 | 0 | 0 | 0 | 0 |
| BLACK | Percent | 97.9 | 80.7 | 100.0 | 94.9 | 22.2 | 98.1 | 0.0 | 5.6 | — | 69.2 | 47.1 | 100.0 | 100.0 | 100.0 | 97.3 |
| | Number | 47 | 167 | 15 | 37 | 12 | 104 | 0 | 1 | — | 36 | 33 | 49 | 33 | 93 | 36 |
| ORIENTAL | Percent | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 7.7 | 20.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | — | 4 | 14 | 0 | 0 | 0 | 0 |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 72.0 | 72.2 | — | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 13 | — | 0 | 0 | 0 | 0 | 0 | 0 |
| PUERTO RICAN | Percent | 2.1 | 14.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 |
| | Number | 1 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 | 1 |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 | 0 | 0 | 0 |
| WHITE | Percent | 0.0 | 1.9 | 0.0 | 5.1 | 77.8 | 1.9 | 28.0 | 22.2 | — | 15.4 | 20.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 4 | 0 | 2 | 42 | 2 | 7 | 4 | — | 8 | 14 | 0 | 0 | 0 | 0 |
| OTHER | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 1.9 | 5.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | 1 | 4 | 0 | 0 | 0 | 0 |
| BEST MATCHED SITE | | Morgan Comm Sch, DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

## Table C7-IIIK-2

### DISTRIBUTION OF BACKGROUND VARIABLES
### COHORT III KINDERGARTEN CHILDREN
### FOR THE COGNITIVE CURRICULUM MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE Number | — | — | — | 48 | 207 | 15 | 39 | 54 | 106 | 25 | 18 | — | 52 | 70 | 49 | 33 | 93 | 37 |
| FALL KINDERGARTEN WRAT Mean Score | 28.5 | 30.9 | — | 32.3 | 31.1 | 28.3 | 17.8 | 25.2 | 17.8 | 31.4 | 32.3 | — | 28.1 | 37.8 | 30.3 | 32.9 | 28.2 | 30.0 |
| PERCENT WITH PRESCHOOL | 77 | 55 | — | 71 | 48 | 87 | 82 | 26 | 48 | 76 | 83 | — | 57 | 70 | 61 | 100 | 48 | 41 |
| Number Responding | — | — | — | 48 | 163 | 15 | 38 | 54 | 106 | 25 | 18 | — | 51 | 27 | 36 | 33 | 90 | 32 |
| CHILDREN'S ETHNICITY | | | | | | | | | | | | | | | | | | |
| Percent Black | 72 | 51 | — | 98 | 81 | 100 | 95 | 22 | 98 | 0 | 6 | — | 69 | 47 | 100 | 100 | 100 | 97 |
| Percent White | 10 | 24 | — | 0 | 2 | 0 | 5 | 78 | 2 | 28 | 22 | — | 15 | 20 | 0 | 0 | 0 | 0 |
| Percent Other | 18 | 24 | — | 2 | 17 | 0 | 0 | 0 | 0 | 72 | 72 | — | 15 | 33 | 0 | 0 | 0 | 3 |
| MEDIAN FAMILY INCOME | 3737 | 6026 | — | 4400 | 5775 | 4750 | 3260 | 5080 | 3220 | 4799 | 5625 | — | 2375 | 9150 | 2500 | 3850 | 4500 | 5050 |
| Number Responding | — | — | — | 33 | 39 | 15 | 36 | 53 | 56 | 20 | 17 | — | 36 | 27 | 31 | 29 | 84 | 27 |
| MOTHER'S EDUCATION | | | | | | | | | | | | | | | | | | |
| Percent H.S. Graduates | 46 | 40 | — | 68 | 33 | 43 | 32 | 52 | 47 | 25 | 14 | — | 69 | 74 | 47 | 33 | 29 | 50 |
| Number Responding | — | — | — | 31 | 46 | 14 | 34 | 52 | 55 | 20 | 14 | — | 36 | 23 | 30 | 27 | 80 | 28 |
| FEMALE HEADS OF HOUSEHOLD Percent | 41 | 24 | — | 44 | 30 | 47 | 31 | 6 | 47 | 15 | 6 | — | 64 | 15 | 71 | 52 | 65 | 59 |
| BEST MATCHED SITE | | | | Morgan Comm Sch, DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

## Table C7-IIIK-3

## TEACHER BACKGROUND CHARACTERISTICS FOR COHORT III-K SITES IN COGNITIVE CURRICULUM MODEL

| | New York, NY | | Okaloosa Co., | | Greeley, CO | | Seattle, WA | | Chicago, IL | |
|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| YEARS OF ELEMENTARY TEACHING EXPERIENCE | | | | | | | | | | |
| Mean | 9.33 | 8.85 | 8.00 | 9.27 | 8.33 | 8.00 | 5.16 | 9.88 | 9.66 | 7.59 |
| Standard Deviation | 4.50 | 6.06 | 6.55 | 8.56 | 10.21 | 7.07 | 2.92 | 5.75 | 4.93 | 6.56 |
| N | 3 | 20 | 5 | 11 | 3 | 2 | 6 | 9 | 3 | 16 |
| YEARS IN SCHOOL | | | | | | | | | | |
| Mean | 4.66 | 7.80 | 4.60 | 5.45 | 4.66 | 4.75 | 4.33 | 5.05 | 5.62 | 6.93 |
| Standard Deviation | 2.51 | 5.81 | 3.36 | 4.41 | 4.04 | 6.01 | 3.07 | 2.98 | 5.28 | 5.76 |
| N | 3 | 20 | 5 | 11 | 3 | 2 | 6 | 9 | 4 | 16 |
| YEARS IN MODEL | | | | | | | | | | |
| Mean | 3.00 | 2.00 | 1.50 | 2.66 | 3.00 | 0.50 | 2.50 | 0.50 | 1.87 | 3.00 |
| Standard Deviation | 1.00 | 3.00 | 1.41 | 3.75 | 1.73 | 0 | 0.54 | 0 | 1.31 | 4.67 |
| N | 3 | 6 | 5 | 3 | 3 | 1 | 6 | 2 | 4 | 4 |
| TEACHER'S EDUCATION | | | | | | | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % with B.A. | 0 | 10.0 | 60.0 | 90.9 | 33.3 | 0 | 33.3 | 14.3 | 25.0 | 37.5 |
| % Some Graduate | 0 | 25.0 | 40.0 | 0 | 33.3 | 100.0 | 50.0 | 71.4 | 75.0 | 25.0 |
| % M.A. or More | 100.0 | 65.0 | 0 | 9.1 | 33.3 | 0 | 16.7 | 14.3 | 0 | 37.5 |
| N | 3 | 20 | 5 | 11 | 3 | 2 | 6 | 7 | 4 | 16 |
| TEACHER'S CERTIFICATION | | | | | | | | | | |
| % None | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Temporary | 0 | 10.5 | 0 | 0 | 0 | 0 | 66.7 | 25.0 | 0 | 6.7 |
| % Renewable/Permanent | 100.0 | 89.5 | 100.0 | 100.0 | 100.0 | 100.0 | 33.3 | 75.0 | 100.0 | 93.3 |
| N | 2 | 19 | 4 | 11 | 3 | 2 | 6 | 8 | 4 | 15 |
| TEACHER'S ETHNICITY | | | | | | | | | | |
| % White | 66.7 | 68.4 | 100.0 | 100.0 | 100.0 | 100.0 | 66.7 | 37.5 | 100.0 | 56.3 |
| % Black | 33.3 | 26.3 | 0 | 0 | 0 | 0 | 33.3 | 37.5 | 0 | 43.8 |
| % Spanish Surname | 0 | 5.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.0 | 0 | 0 |
| N | 3 | 19 | 5 | 11 | 3 | 2 | 6 | 8 | 4 | 16 |
| AGE IN YEARS | | | | | | | | | | |
| Mean | 32.66 | 36.15 | 33.60 | 36.63 | 42.33 | 33.50 | 32.33 | 38.44 | 29.50 | 34.35 |
| Standard Deviation | 7.50 | 11.21 | 8.50 | 11.86 | 19.55 | 7.77 | 7.33 | 9.72 | 4.12 | 10.79 |
| N | 3 | 19 | 5 | 11 | 3 | 2 | 6 | 9 | 4 | 14 |

## Table C7-IIIK-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1975) FOR THE COHORT III KINDERGARTEN SITES IN THE COGNITIVE CURRICULUM MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 44.0 | 49.5 | — | 46.9 | 52.6 | 51.8 | 45.6 | 41.3 | 54.6 | 41.9 | 53.3 | — | 41.9 | 49.2 | 51.1 | 43.7 | 51.1 | 50.8 |
| Number | 5 | 5 | — | 3 | 20 | 3 | 5 | 11 | 18 | 3 | 2 | — | 6 | 9 | 14 | 4 | 15 | 7 |
| Local Mean Difference | -5.5 | — | — | -5.8 | — | — | 4.3 | — | — | -11.4 | — | — | -7.3 | — | — | -7.4 | — | — |
| Best Match Mean Difference | — | — | — | -5.0 | — | — | -9.0 | — | — | -11.4 | — | — | -9.2 | — | — | -7.2 | — | — |
| FLEXIBLE CLASSROOM | 60.9 | 45.5 | — | 50.9 | 47.6 | 54.0 | 58.9 | 51.2 | 45.7 | 66.3 | 31.2 | — | 60.1 | 50.3 | 42.8 | 68.1 | 47.4 | 43.6 |
| Number | 5 | 5 | — | 3 | 20 | 3 | 5 | 11 | 18 | 3 | 2 | — | 6 | 9 | 14 | 4 | 15 | 7 |
| Local Mean Difference | 15.4 | — | — | 3.3 | — | — | 7.7 | — | — | 35.1 | — | — | 9.8 | — | — | 20.8 | — | — |
| Best Match Mean Difference | — | — | — | -3.0 | — | — | 13.1 | — | — | 35.1 | — | — | 17.3 | — | — | 24.5 | — | — |
| INDIVIDUALIZATION | 55.9 | 44.1 | — | 48.9 | 44.8 | 50.0 | 57.7 | 50.1 | 51.0 | 57.7 | 36.8 | — | 56.1 | 43.3 | 44.1 | 58.9 | 45.4 | 45.8 |
| Number | 5 | 5 | — | 3 | 20 | 3 | 5 | 11 | 18 | 3 | 2 | — | 6 | 9 | 14 | 4 | 16 | 7 |
| Local Mean Difference | 11.8 | — | — | 4.1 | — | — | 7.6 | — | — | 20.9 | — | — | 12.9 | — | — | 13.4 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 6.7 | — | — | 20.9 | — | — | 12.0 | — | — | 13.1 | — | — |
| ACADEMIC (VS. EMOTIONAL) | 49.4 | 51.0 | — | 64.3 | 50.3 | 44.7 | 44.5 | 51.0 | 52.0 | 45.8 | 49.2 | — | 48.1 | 54.0 | 50.9 | 44.1 | 50.4 | 49.2 |
| EMPHASIS Number | 5 | 5 | — | 2 | 18 | 3 | 5 | 11 | 18 | 3 | 2 | — | 6 | 9 | 14 | 4 | 16 | 7 |
| Local Mean Difference | — | — | — | 14.0 | — | — | -6.5 | — | — | -3.4 | — | — | -6.0 | — | — | -6.3 | — | — |
| Best Match Mean Difference | — | — | — | 19.6 | — | — | -7.5 | — | — | -3.4 | — | — | -2.8 | — | — | -5.0 | — | — |
| SATISFACTION WITH | 55.0 | 47.5 | — | 38.3 | 48.0 | 50.3 | 48.4 | 46.7 | 42.2 | 62.8 | 44.9 | — | 60.3 | 48.0 | 45.6 | 65.3 | 49.9 | 41.7 |
| SPONSOR Number | 5 | 5 | — | 3 | 7 | 1 | 5 | 4 | 9 | 3 | 1 | — | 6 | 4 | 8 | 4 | 8 | 5 |
| Local Mean Difference | 7.5 | — | — | -9.7 | — | — | — | — | — | 17.9 | — | — | 12.3 | — | — | 15.4 | — | — |
| Best Match Mean Difference | — | — | — | -12.0 | — | — | 6.2 | — | — | 17.9 | — | — | 14.7 | — | — | 23.6 | — | — |
| BEST MATCHED SITE | | | | Morgan Comm Sch, DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

# Table C7-IIIK-5

STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1975)
FOR THE COHORT III KINDERGARTEN SITES
IN THE COGNITIVE CURRICULUM MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| TALKS WITH TEACHER | 49.8 | 50.6 | — | 52.7 | 51.9 | 53.7 | 41.7 | 53.1 | 49.8 | 52.5 | 50.5 | — | 50.1 | 48.9 | 48.4 | 51.8 | 49.6 | 48.3 |
| Number | 5 | 5 | — | 24 | 125 | 15 | 26 | 28 | 34 | 18 | 14 | — | 28 | 25 | 29 | 20 | 70 | 27 |
| Local Mean Difference | — | — | — | — | — | — | -11.4 | — | — | — | — | — | — | — | — | 3.2 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -8.1 | — | — | — | — | — | — | — | — | 3.5 | — | — |
| SCHOOL HELPED CHILD | 50.6 | 49.0 | — | 52.1 | 49.2 | 47.9 | 49.2 | 50.3 | 48.3 | 52.8 | 47.4 | — | 49.1 | 51.6 | 48.0 | 49.9 | 46.5 | 51.9 |
| Number | 5 | 5 | — | 24 | 124 | 15 | 26 | 28 | 34 | 18 | 14 | — | 28 | 25 | 29 | 20 | 70 | 27 |
| Local Mean Difference | — | — | — | 2.9 | — | — | — | — | — | 5.6 | — | — | -2.5 | — | — | 3.4 | — | — |
| Best Match Mean Difference | — | — | — | 4.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| PAC INVOLVEMENT | 51.9 | 44.5 | — | 51.0 | 45.2 | 50.2 | 54.3 | 41.9 | 49.5 | 47.2 | 45.7 | — | 53.9 | 45.0 | 43.9 | 53.3 | 44.6 | 47.7 |
| Number | 5 | 5 | — | 19 | 99 | 14 | 23 | 24 | 27 | 18 | 13 | — | 28 | 23 | 25 | 18 | 63 | 24 |
| Local Mean Difference | 7.5 | — | — | 5.7 | — | — | 12.5 | — | — | — | — | — | 8.9 | — | — | 8.7 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 4.9 | — | — | — | — | — | 10.0 | — | — | 5.5 | — | — |
| CHILD READS AT HOME | 49.8 | 49.4 | — | 51.7 | 52.6 | 54.9 | 48.0 | 51.1 | 50.9 | 48.2 | 42.4 | — | 48.6 | 50.5 | 52.9 | 52.3 | 50.5 | 52.6 |
| Number | 5 | 5 | — | 24 | 125 | 15 | 26 | 28 | 34 | 18 | 14 | — | 28 | 25 | 29 | 20 | 70 | 27 |
| Local Mean Difference | — | — | — | — | — | — | -3.1 | — | — | 5.7 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -3.2 | — | — | -2.9 | — | — | — | — | — | -4.2 | — | — | — | — | — |
| CHILD'S PROG IN SCHOOL | 47.3 | 49.9 | — | 51.0 | 50.6 | 47.3 | 46.6 | 48.3 | 47.8 | 44.9 | 46.4 | — | 48.4 | 55.6 | 45.9 | 45.6 | 48.8 | 51.4 |
| Number | 5 | 5 | — | 24 | 125 | 15 | 26 | 28 | 34 | 18 | 14 | — | 28 | 25 | 29 | 20 | 70 | 27 |
| Local Mean Difference | -2.7 | — | — | — | — | — | — | — | — | — | — | — | -7.2 | — | — | -3.2 | — | — |
| Best Match Mean Difference | — | — | — | 3.6 | — | — | — | — | — | — | — | — | — | — | — | -5.8 | — | — |
| CHILD READ TO AT HOME | 50.2 | 51.2 | — | 49.7 | 51.8 | 59.6 | 50.2 | 50.7 | 51.2 | 44.9 | 51.6 | — | 53.2 | 50.5 | 52.2 | 52.9 | 51.6 | 50.5 |
| Number | 5 | 5 | — | 24 | 125 | 15 | 26 | 28 | 34 | 18 | 14 | — | 28 | 25 | 29 | 20 | 70 | 27 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | -6.7 | — | — | 2.7 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -9.8 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| PARENT VISITS TO SCHOOL | 50.2 | 48.3 | — | 51.5 | 50.7 | 52.6 | 48.0 | 45.1 | 48.7 | 47.8 | 49.2 | — | 51.3 | 48.1 | 50.6 | 52.4 | 48.4 | 51.4 |
| Number | 5 | 5 | — | 24 | 125 | 15 | 26 | 28 | 34 | 18 | 14 | — | 28 | 25 | 29 | 20 | 70 | 27 |
| Local Mean Difference | — | — | — | — | — | — | 2.9 | — | — | — | — | — | 3.2 | — | — | 4.0 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| CHILD'S ENVT ADJUST | 49.2 | 48.8 | — | 49.2 | 51.5 | 54.3 | 48.8 | 48.6 | 48.7 | 47.9 | 44.7 | — | 52.6 | 51.1 | 51.7 | 47.8 | 48.0 | 51.5 |
| Number | 5 | 5 | — | 24 | 124 | 15 | 26 | 28 | 34 | 18 | 14 | — | 28 | 25 | 29 | 20 | 70 | 27 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | 3.1 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -5.1 | — | — | — | — | — | — | — | — | — | — | — | -3.8 | — | — |
| SCH HELPED WITH CHILD | 52.6 | 46.6 | — | 52.2 | 49.3 | 51.4 | 51.2 | 43.5 | 49.9 | 51.5 | 48.3 | — | 53.4 | 43.4 | 48.3 | 54.7 | 48.5 | 45.6 |
| Number | 5 | 5 | — | 24 | 124 | 15 | 26 | 28 | 33 | 18 | 13 | — | 28 | 25 | 29 | 20 | 70 | 27 |
| Local Mean Difference | 6.0 | — | — | 2.9 | — | — | 7.7 | — | — | 3.2 | — | — | 10.1 | — | — | 6.3 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | 5.2 | — | — | 9.1 | — | — |
| SCHOOL'S RECEPTIVITY | 50.6 | 49.7 | — | 51.5 | 51.7 | 42.9 | 45.6 | 47.5 | 49.6 | 49.1 | 50.9 | — | 50.6 | 50.2 | 48.9 | 56.1 | 48.0 | 48.6 |
| Number | 5 | 5 | — | 23 | 124 | 15 | 26 | 28 | 34 | 18 | 13 | — | 28 | 25 | 29 | 20 | 70 | 27 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 8.1 | — | — |
| Best Match Mean Difference | — | — | — | 8.6 | — | — | -4.0 | — | — | — | — | — | — | — | — | 7.5 | — | — |
| PARENT LOCUS | 51.0 | 52.5 | — | 52.9 | 49.8 | 53.3 | 53.3 | 48.2 | 52.1 | 54.2 | 57.4 | — | 47.3 | 53.3 | 53.4 | 47.2 | 53.9 | 52.0 |
| Number | 5 | 5 | — | 24 | 125 | 15 | 26 | 28 | 34 | 18 | 14 | — | 28 | 25 | 29 | 20 | 70 | 27 |
| Local Mean Difference | — | — | — | 3.1 | — | — | 5.0 | — | — | -3.2 | — | — | -6.0 | — | — | -6.7 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | -6.1 | — | — | -4.8 | — | — |
| SCH HELPED PERSONALLY | 50.6 | 46.3 | — | 46.4 | 46.8 | 54.0 | 52.3 | 44.2 | 48.4 | 50.5 | 46.6 | — | 52.8 | 45.3 | 47.4 | 51.2 | 48.7 | 48.5 |
| Number | 5 | 5 | — | 24 | 125 | 15 | 26 | 28 | 34 | 18 | 14 | — | 28 | 25 | 29 | 20 | 70 | 27 |
| Local Mean Difference | 4.3 | — | — | — | — | — | 8.0 | — | — | 4.0 | — | — | 7.5 | — | — | 2.5 | — | — |
| Best Match Mean Difference | — | — | — | -7.6 | — | — | 3.8 | — | — | — | — | — | 5.4 | — | — | 2.7 | — | — |
| PARENT-CHILD INTERACTION | 50.1 | 49.9 | — | 53.7 | 54.1 | 53.1 | 48.0 | 48.0 | 51.1 | 47.5 | 48.5 | — | 48.6 | 46.0 | 46.6 | 52.5 | 52.8 | 55.3 |
| Number | 5 | 5 | — | 24 | 125 | 15 | 26 | 28 | 34 | 18 | 14 | — | 28 | 25 | 29 | 20 | 70 | 27 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | 2.6 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -3.1 | — | — | — | — | — | — | — | — | -2.8 | — | — |
| BEST MATCHED SITE | | | | Morgan Comm Sch, DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

## Table C7-IIIK-6

## PROPORTION OF ATTRITION AND DESCRIPTIVE INFORMATION FOR COGNITIVE CURRICULUM MODEL

| | | New York, NY | | Okalcosa Co., FL | | Greeley, CO | | Seattle, WA | | Chicago, IL | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| **NUMBER** | | | | | | | | | | | |
| **Total Registration** | **N** | 114 | 764 | 108 | 110 | 89 | 83 | 167 | 220 | 93 | 490 |
| **Children Retained (Analytic Sample)** | **N** | 48 | 207 | 39 | 54 | 25 | 18 | 52 | 70 | 33 | 92 |
| **Children Not Retained (Program and Sample Attrition)** | **N** | 66 | 557 | 69 | 56 | 64 | 65 | 115 | 150 | 60 | 398 |
| | **%*** | 58 | 73 | 64 | 51 | 72 | 78 | 69 | 68 | 65 | 81 |
| **Children Not Retained (Sample Attrition)** | **N** | 4 | 90 | 5 | 3 | 0 | 8 | 6 | 39 | 6 | 71 |
| | **%*** | 4 | 12 | 5 | 3 | 0 | 10 | 4 | 18 | 6 | 14 |
| WRAT | | | | | | | | | | | |
| Total Registration | Mean | 28.2 | 31.5 | 18.1 | 21.2 | 28.3 | 28.8 | 30.4 | 33.8 | 28.7 | 27.2 |
| | Standard Deviation | 12.5 | 13.7 | 8.3 | 11.3 | 10.8 | 12.8 | 12.2 | 13.4 | 11.8 | 12.6 |
| | Number | 93 | 669 | 84 | 92 | 72 | 40 | 124 | 186 | 79 | 400 |
| Children Retained (Analytic Sample) | Mean | 32.3 | 31.1 | 17.8 | 25.2 | 31.4 | 32.3 | 28.1 | 37.8 | 32.9 | 28.3 |
| | Standard Deviation | 11.9 | 12.4 | 7.3 | 10.5 | 10.6 | 13.3 | 12.0 | 13.0 | 10.4 | 11.9 |
| | Number | 44 | 198 | 38 | 54 | 20 | 18 | 46 | 68 | 31 | 91 |
| Children Not Retained (Program and Sample Attrition) | Mean | 24.5 | 31.7 | 18.4 | 15.6 | 27.2 | 26.0 | 31.7 | 31.5 | 26.0 | 26.9 |
| | Standard Deviation | 12.0 | 14.2 | 9.1 | 10.1 | 10.8 | 12.0 | 12.2 | 13.2 | 12.0 | 12.8 |
| | Number | 49 | 491 | 46 | 38 | 52 | 22 | 78 | 118 | 48 | 309 |
| Children Not Retained (Sample Attrition) | Mean | 30.0 | 29.3 | 15.4 | 24.6 | -- | 25.0 | 23.6 | 33.4 | 19.7 | 28.8 |
| | Standard Deviation | 12.2 | 15.5 | 8.1 | 10.1 | -- | 8.2 | 15.4 | 12.0 | 12.5 | 12.4 |
| | Number | 4 | 89 | 5 | 3 | -- | 8 | 6 | 39 | 10 | 71 |
| INCOME | | | | | | | | | | | |
| Total Registration | Mean | 4588 | 5934 | 4064 | 5303 | 5361 | 5436 | 4148 | 6782 | 4548 | 4997 |
| | Standard Deviation | 2764 | 2509 | 2158 | 2874 | 2792 | 2560 | 2387 | 2987 | 2526 | 2748 |
| | Number | 74 | 216 | 76 | 97 | 64 | 36 | 99 | 91 | 71 | 238 |
| Children Retained (Analytic Sample) | Mean | 5103 | 6090 | 3725 | 5592 | 5410 | 5594 | 3522 | 7703 | 4896 | 4844 |
| | Standard Deviation | 2612 | 2255 | 1879 | 2941 | 3116 | 2559 | 2556 | 2857 | 2817 | 2605 |
| | Number | 33 | 39 | 36 | 53 | 20 | 17 | 36 | 27 | 29 | 83 |
| Children Not Retained (Program and Sample Attrition) | Mean | 4173 | 5900 | 4370 | 4954 | 5339 | 5295 | 4506 | 6394 | 4307 | 5045 |
| | Standard Deviation | 2844 | 2566 | 2362 | 2784 | 2670 | 2622 | 2227 | 2976 | 2308 | 2794 |
| | Number | 41 | 177 | 40 | 44 | 44 | 19 | 63 | 64 | 42 | 265 |
| Children Not Retained (Sample Attrition) | Mean | 2200 | 5881 | 5675 | 6500 | -- | 4157 | 3625 | 6271 | 3385 | 5013 |
| | Standard Deviation | 1092 | 2489 | 3201 | 2861 | -- | 2451 | 1059 | 2679 | 1916 | 3063 |
| | Number | 4 | 58 | 4 | 3 | -- | 7 | 4 | 21 | 7 | 44 |

***Percent of Total Registration.**

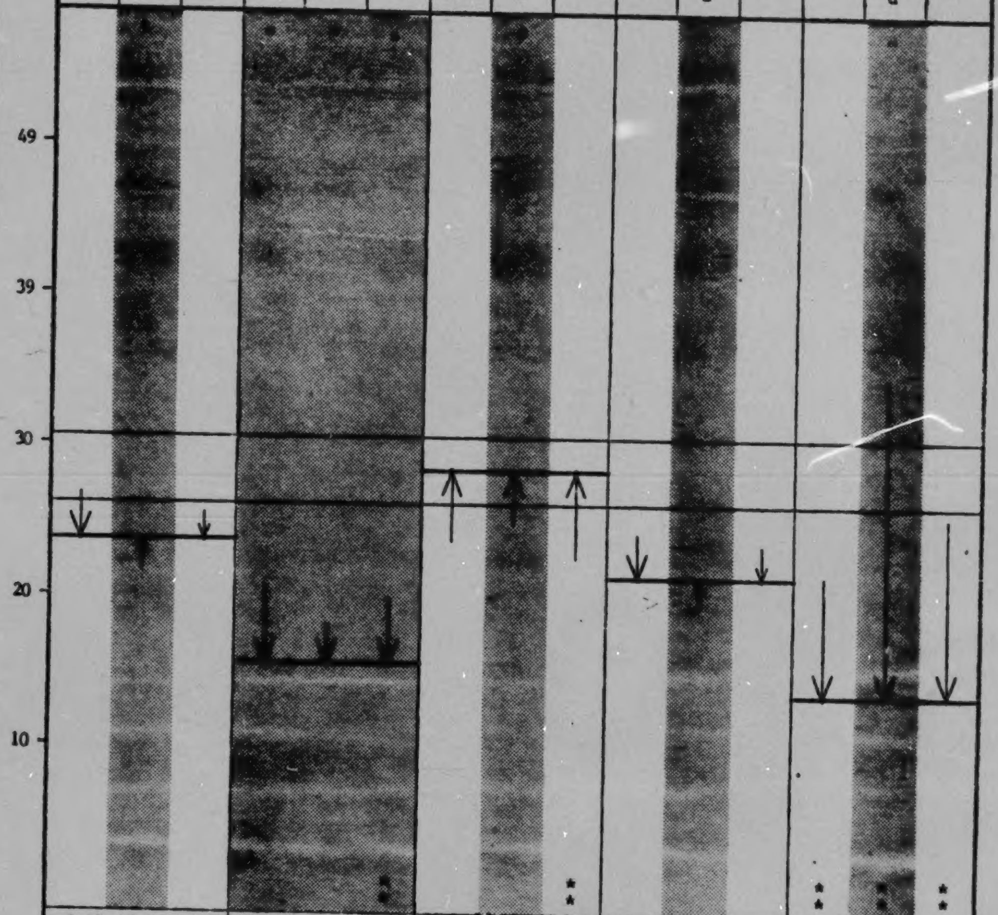
## Table C7-IIIK-7

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT WORD KNOWLEDGE
FOR COHORT III KINDERGARTEN SITES
IN THE COGNITIVE CURRICULUM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. - | 9.85 |
| .25 S.D. - | 2.46 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 30.5

Overall NFT Mean 26.3



| | NEW YORK, NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -3.03 | 2.00 | -1.78 | -5.22 | -2.65 | -4.39 | 4.57 | 3.37 | 5.62 | -2.87 | 1.97 | -2.21 | -7.86 | -20.78 | -11.8 |
| Standard Error | 1.97 | 3.07 | 1.19 | 2.75 | 2.24 | 1.40 | 3.61 | 3.45 | 1.98 | 2.20 | 2.79 | 1.51 | 2.33 | 2.97 | 1.20 |
| FT Mean | 23.69 | | | 15.54 | | | 28.12 | | | 21.31 | | | 13.51 | | |
| No. of FT Children | 48 | | | 39 | | | 25 | | | 52 | | | 33 | | |
| Matched NFT Site | Morgan Comm Sch, DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

COHORT III-K STUDY
Non-Preschool Adjusted

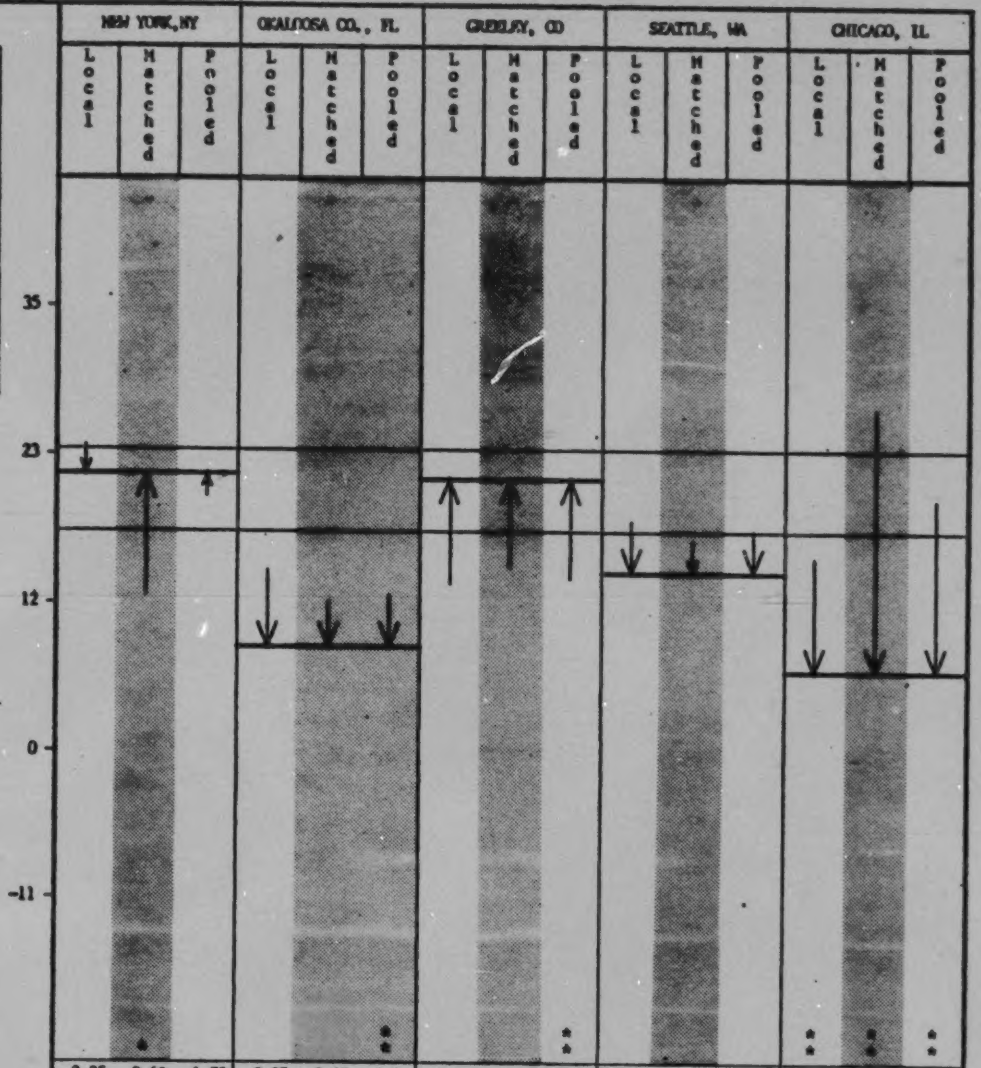
# Table C7-IIIK-8

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT SPELLING
FOR COHORT III KINDERGARTEN SITES
IN THE COGNITIVE CURRICULUM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. - | 11.60 |
| .25 S.D. - | 2.90 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 24.0

Overall NFT Mean 18.4



| | NEW YORK, NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -2.35 | 9.60 | 1.75 | -5.97 | -3.68 | -4.20 | 8.12 | 6.85 | 7.67 | -3.96 | -2.47 | -3.28 | -8.97 | -20.61 | -13.37 |
| Standard Error | 2.38 | 3.87 | 1.41 | 3.33 | 2.89 | 1.48 | 4.37 | 4.28 | 2.43 | 2.65 | 3.39 | 1.74 | 2.82 | 3.12 | 1.33 |
| FT Mean | 22.33 | | | 8.64 | | | 21.84 | | | 14.58 | | | 6.85 | | |
| No. of FT Children | 48 | | | 39 | | | 25 | | | 52 | | | 33 | | |
| Matched NFT Site | Morgan Comm Sch, DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

COHORT III-K STUDY
Non-Preschool Adjusted

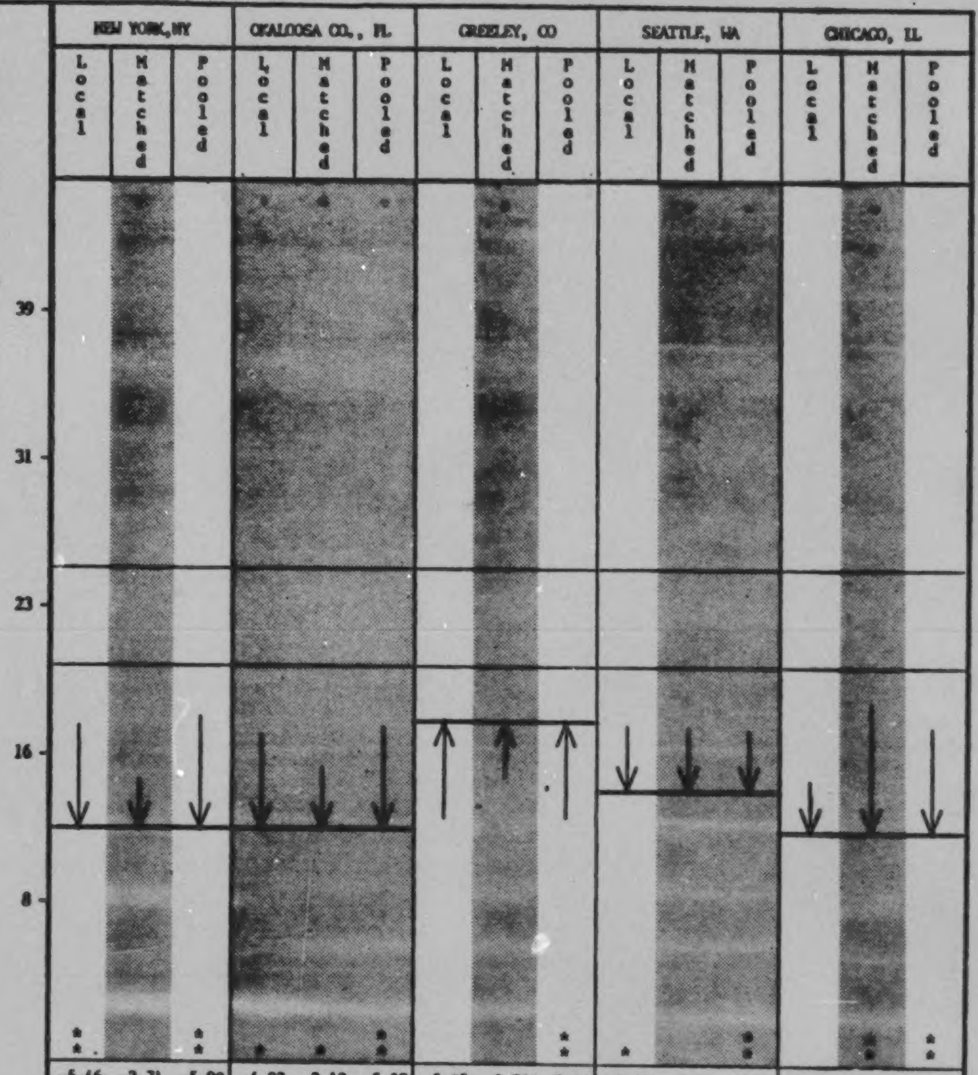
## Table C7-IIIK-9

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE FOR COHORT III KINDERGARTEN SITES IN THE COGNITIVE CURRICULUM MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 7.75 |
| .25 S.D. - | 1.94 |
| P < .05 : | * |
| P < .01 : | ** |

| | |
|---|---|
| National Mean | 26.0 |
| Overall NFT Mean | 20.6 |



| | NEW YORK, NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -5.46 | -2.71 | -5.90 | -4.92 | -3.12 | -5.37 | 5.05 | 2.78 | 5.06 | -3.43 | -3.27 | -3.09 | -2.69 | -6.77 | -5.42 |
| Standard Error | 1.46 | 1.65 | 0.61 | 2.03 | 1.55 | 0.69 | 2.67 | 2.71 | 1.60 | 1.62 | 2.12 | 1.04 | 1.72 | 2.21 | 1.10 |
| FT Mean | 11.92 | | | 11.97 | | | 17.56 | | | 14.02 | | | 11.85 | | |
| No. of FT Children | 48 | | | 39 | | | 25 | | | 52 | | | 33 | | |
| Matched NFT Site | Morgan Comm Sch, DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

COHORT III-K STUDY
Non-Preschool Adjusted

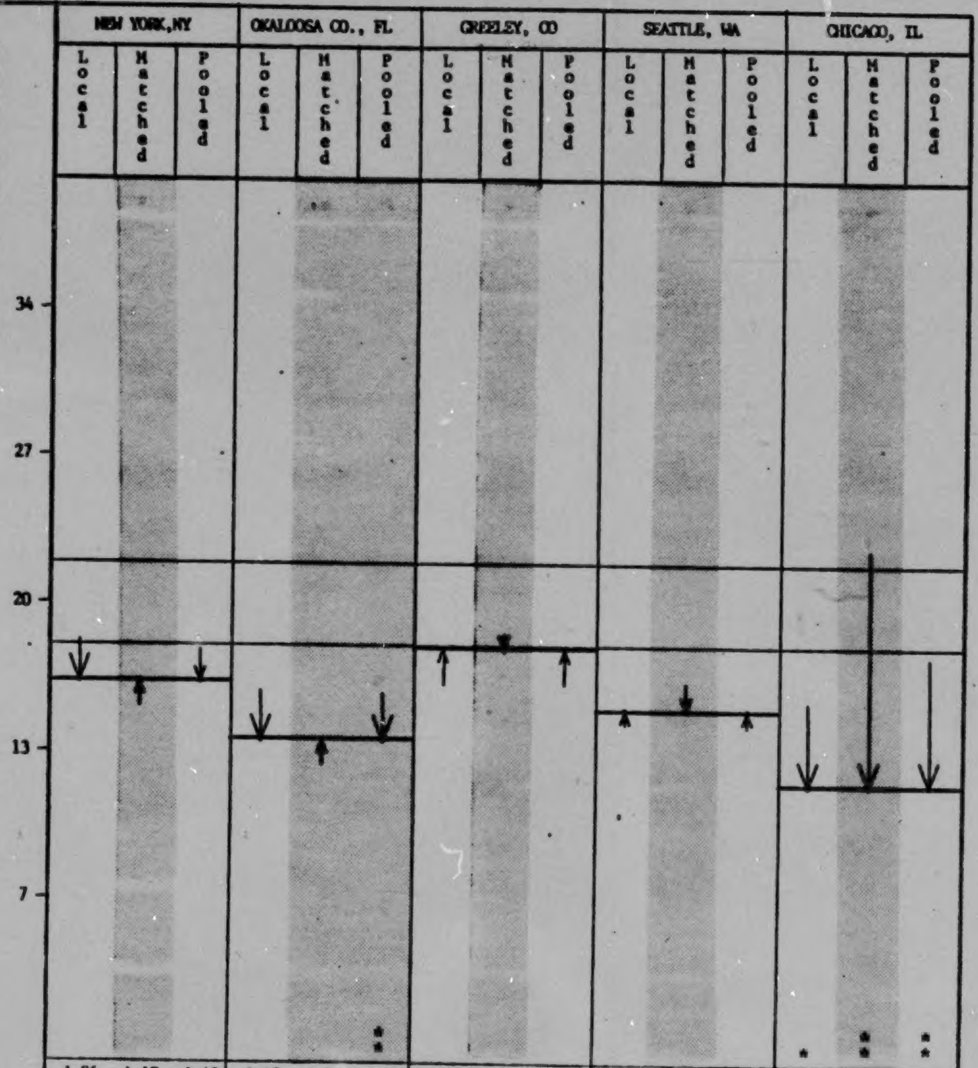
# Table C7-IIIK-10

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT III KINDERGARTEN SITES IN THE COGNITIVE CURRICULUM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 6.71 |
| .25 S.D. - | 1.68 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.5

Overall NFT Mean 18.5



| | NEW YORK, NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.86 | 1.17 | -1.43 | -2.17 | 1.20 | -2.06 | 1.59 | -0.82 | 1.56 | 0.15 | -1.20 | 0.06 | -3.80 | -10.66 | -5.78 |
| Standard Error | 1.47 | 2.07 | 0.83 | 2.06 | 1.35 | 0.80 | 2.70 | 2.35 | 1.18 | 1.64 | 2.03 | 1.09 | 1.74 | 1.95 | 1.05 |
| FT Mean | 16.83 | | | 14.26 | | | 18.23 | | | 15.58 | | | 12.21 | | |
| No. of FT Children | 48 | | | 39 | | | 25 | | | 52 | | | 33 | | |
| Matched NFT Site | Morgan Comm Sch, DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

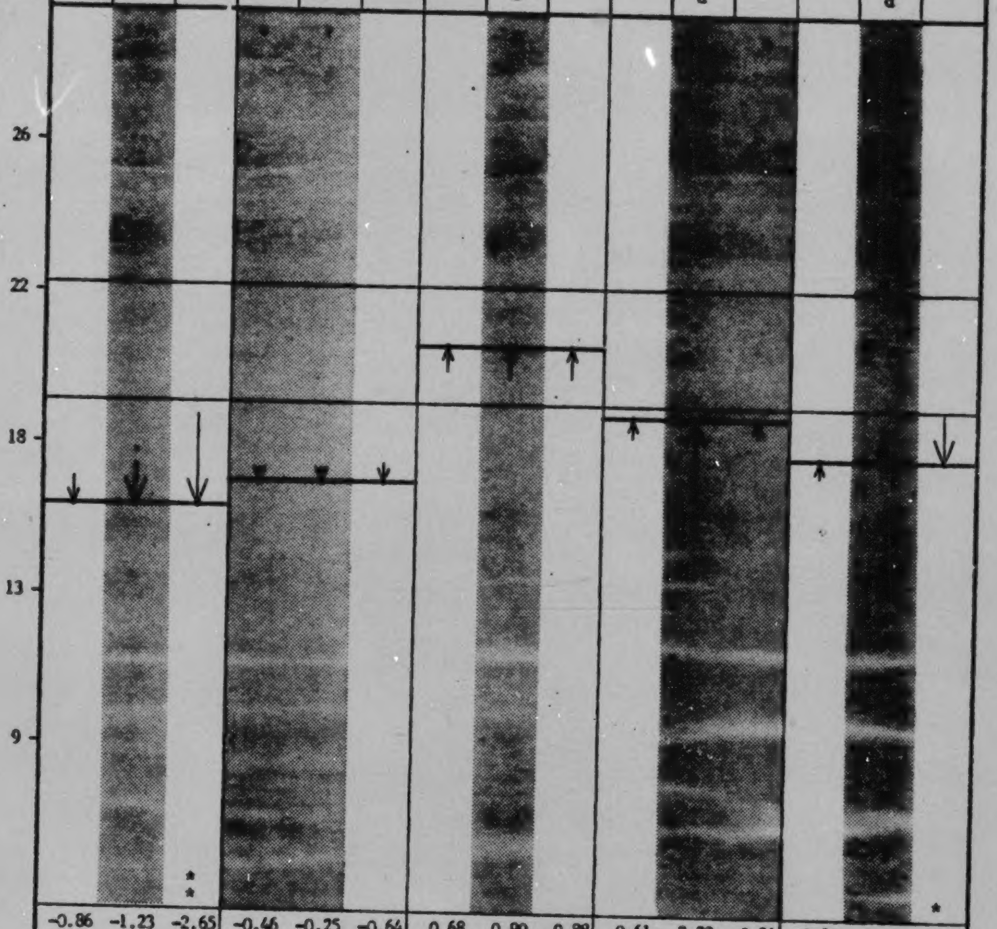
## Table C7-IIIK-11

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE RAVEN S PROGRESSIVE MATRICES FOR COHORT III KINDERGARTEN SITES IN THE COGNITIVE CURRICULUM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋎ ⋏ |
| S.D. - | 4.38 |
| .25 S.D. - | 1.09 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.3

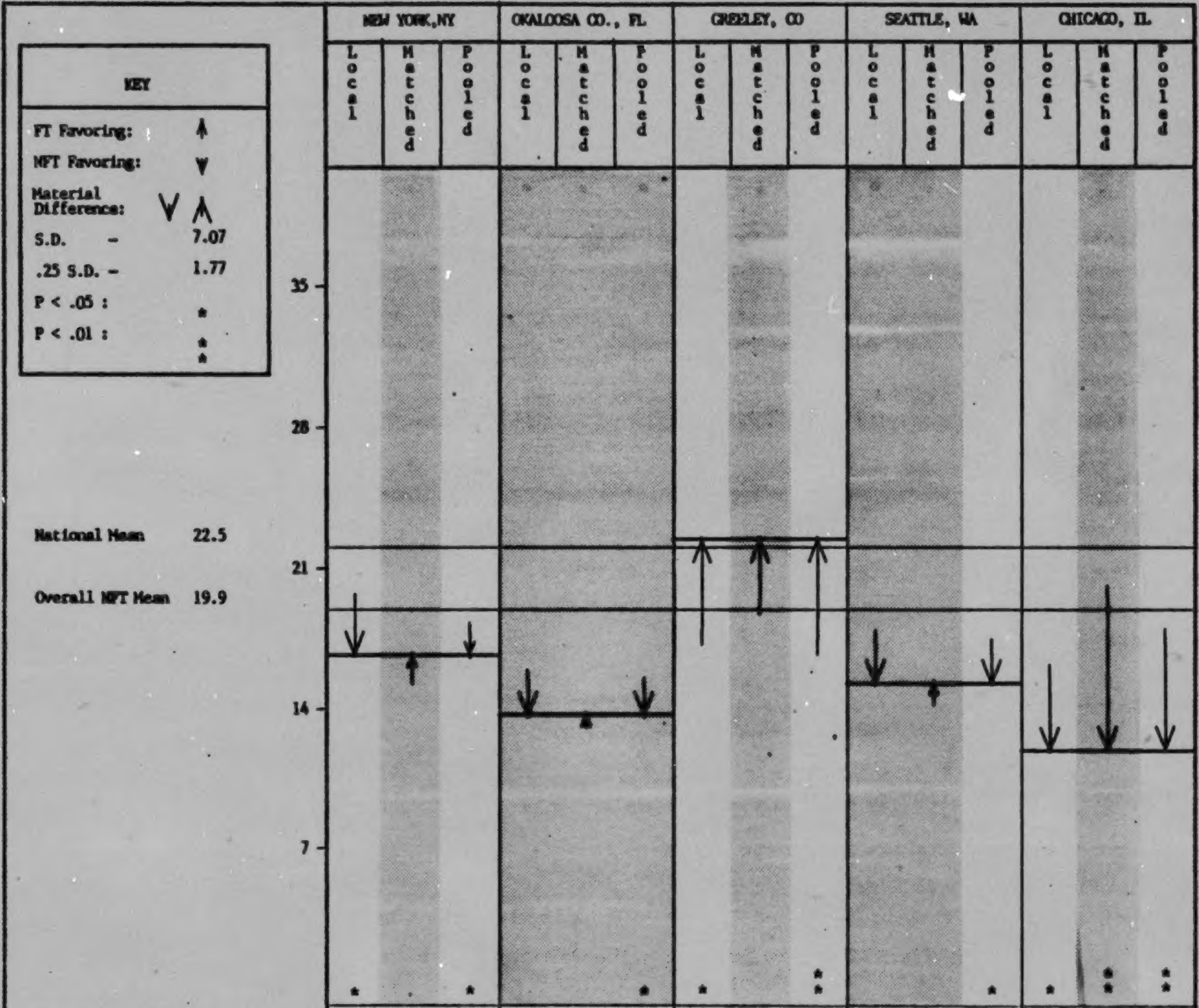
Overall NFT Mean 19.0



| | NEW YORK, NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.86 | -1.23 | -2.65 | -0.46 | -0.25 | -0.64 | 0.68 | 0.90 | 0.88 | 0.61 | 2.32 | 0.31 | 0.50 | -1.03 | -1.43 |
| Standard Error | 0.90 | 1.61 | 0.63 | 1.25 | 1.07 | 0.63 | 1.65 | 1.36 | 0.65 | 1.00 | 1.21 | 0.61 | 1.06 | 1.22 | 0.72 |
| FT Mean | 15.83 | | | 16.54 | | | 20.52 | | | 18.52 | | | 17.39 | | |
| No. of FT Children | 48 | | | 39 | | | 25 | | | 52 | | | 33 | | |
| Matched NFT Site | Morgan Comm Sch, DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

# Table C7-IIIK-12

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT READING FOR COHORT III KINDERGARTEN SITES IN THE COGNITIVE CURRICULUM MODEL



| | NEW YORK,NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -3.11 | 1.41 | -1.76 | -2.12 | 0.06 | -1.82 | 5.19 | 3.80 | 5.74 | -2.60 | 1.05 | -2.22 | -4.38 | -8.31 | -6.12 |
| Standard Error | 1.44 | 2.09 | 0.78 | 2.01 | 1.37 | 0.82 | 2.64 | 2.82 | 1.56 | 1.60 | 1.90 | 1.00 | 1.70 | 1.93 | 1.03 |
| FT Mean | 17.19 | | | 14.26 | | | 22.92 | | | 15.79 | | | 12.30 | | |
| No. of FT Children | 48 | | | 39 | | | 25 | | | 52 | | | 33 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

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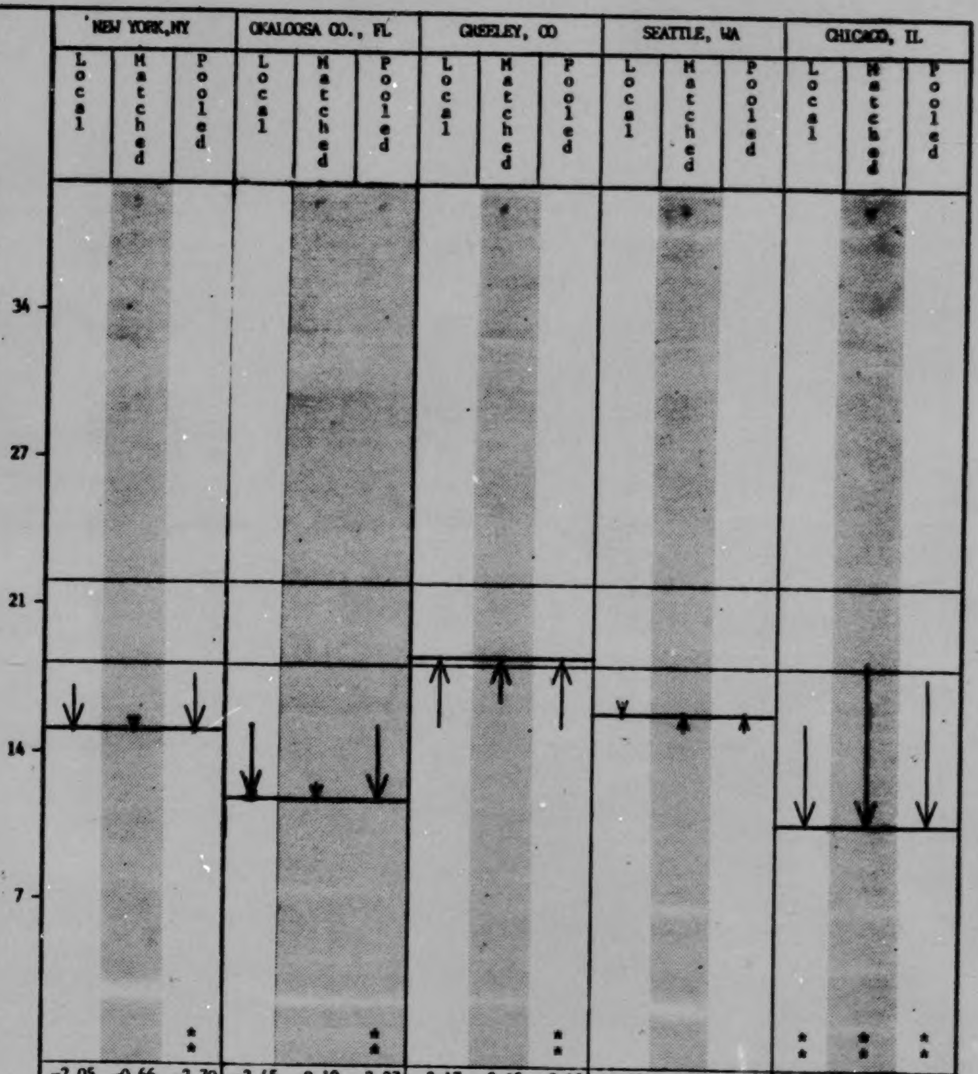
## Table C7-IIIK-13

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS CONCEPTS FOR COHORT III KINDERGARTEN SITES IN THE COGNITIVE CURRICULUM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. – | 6.87 |
| .25 S.D. – | 1.72 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.0

Overall NFT Mean 18.0



| | NEW YORK, NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | | ** | | | ** | | | ** | | | | ** | ** | ** |
| Magnitude of Effect | -2.05 | -0.66 | -2.70 | -3.45 | -0.19 | -3.37 | 3.17 | 2.05 | 3.19 | -0.01 | 0.05 | 0.19 | -4.62 | -7.56 | -6.64 |
| Standard Error | 1.38 | 2.30 | 0.87 | 1.93 | 1.47 | 0.80 | 2.54 | 2.34 | 1.17 | 1.54 | 2.04 | 1.13 | 1.64 | 1.66 | 1.05 |
| FT Mean | 15.02 | | | 11.92 | | | 18.48 | | | 15.94 | | | 10.94 | | |
| No. of FT Children | 48 | | | 39 | | | 25 | | | 52 | | | 33 | | |
| Matched NFT Site | Morgan Comm Sch, DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

COHORT III-K STUDY
Non-Preschool Adjusted

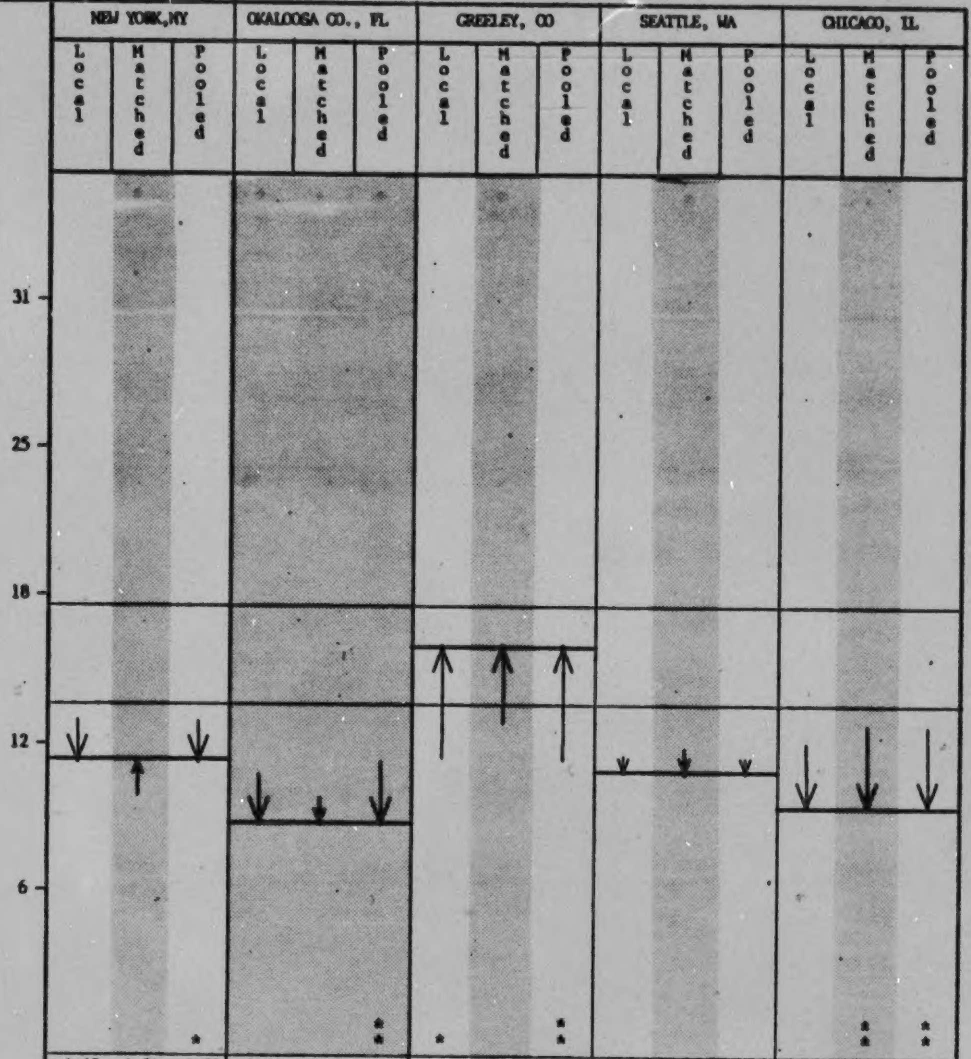
## Table C7-IIIK-14

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT III KINDERGARTEN SITES IN THE COGNITIVE CURRICULUM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 6.14 |
| .25 S.D. - | 1.53 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 18.5

Overall NFT Mean 14.2



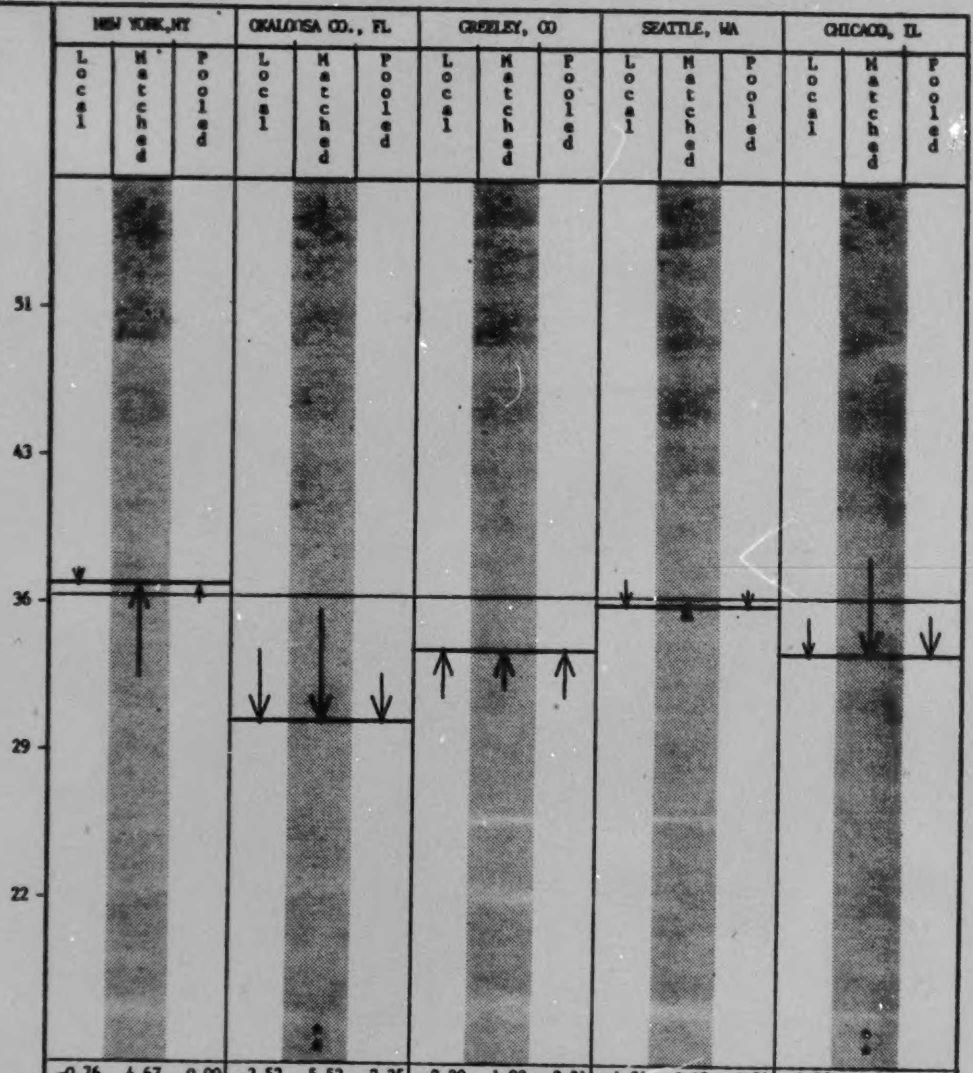
| | NEW YORK,NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.67 | 1.50 | -1.59 | -2.03 | -1.02 | -2.55 | 4.54 | 3.10 | 4.68 | -0.44 | -0.95 | -0.36 | -2.64 | -3.48 | -3.39 |
| Standard Error | 1.26 | 1.96 | 0.79 | 1.76 | 1.20 | 0.56 | 2.31 | 2.54 | 1.44 | 1.41 | 1.59 | 0.84 | 1.49 | 1.32 | 0.81 |
| FT Mean | 11.88 | | | 9.31 | | | 16.52 | | | 11.40 | | | 9.91 | | |
| No. of FT Children | 48 | | | 39 | | | 25 | | | 52 | | | 33 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

## Table C7-IIIK-15

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT III KINDERGARTEN SITES IN THE COGNITIVE CURRICULUM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋎ ⋏ |
| S.D. - | 7.22 |
| .25 S.D. - | 1.80 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 36.6

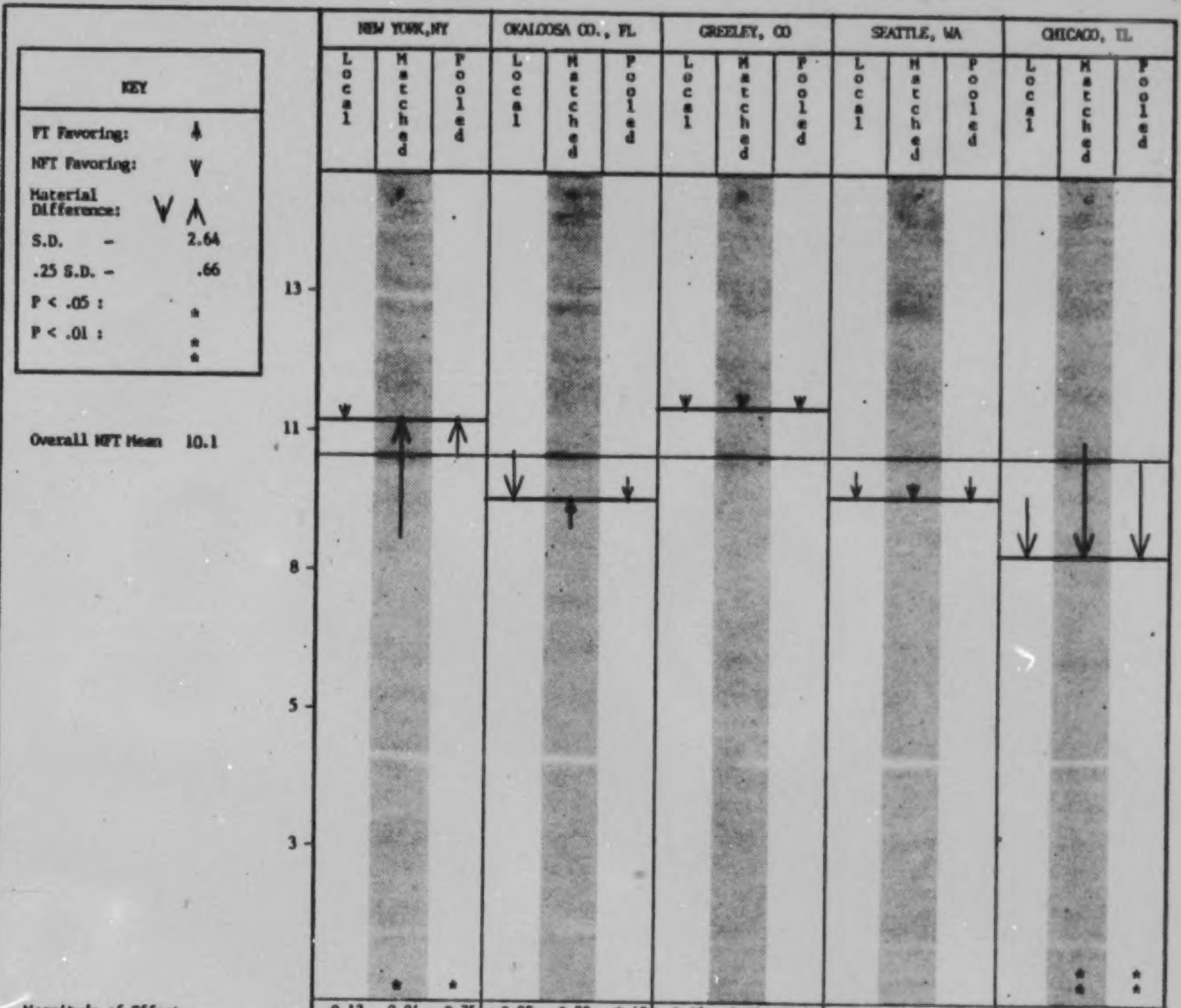


| | NEW YORK,NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.76 | 4.67 | 0.99 | -3.53 | -5.53 | -2.35 | 2.29 | 1.92 | 2.31 | -1.31 | 0.09 | -0.31 | -1.78 | -4.84 | -2.00 |
| Standard Error | 1.57 | 2.54 | 0.91 | 2.19 | 2.10 | 1.31 | 2.88 | 2.59 | 1.31 | 1.75 | 1.97 | 1.00 | 1.86 | 1.74 | 1.12 |
| FT Mean | 37.27 | | | 30.49 | | | 34.04 | | | 36.31 | | | 33.91 | | |
| No. of FT Children | 48 | | | 39 | | | 25 | | | 52 | | | 33 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C7-IIIK-16

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT III KINDERGARTEN SITES IN THE COGNITIVE CURRICULUM MODEL



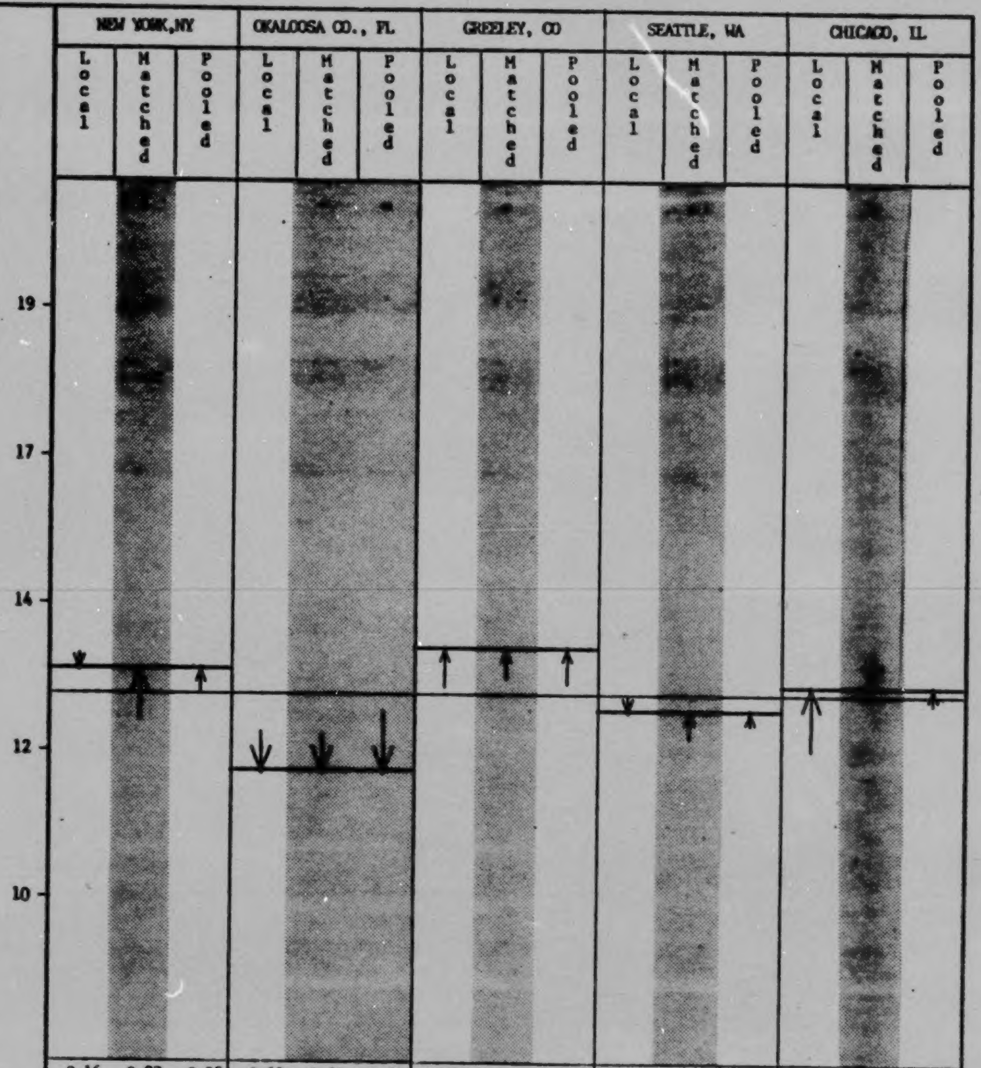
| | NEW YORK,NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.13 | 2.24 | 0.75 | -0.93 | 0.52 | -0.45 | -0.06 | -0.04 | -0.10 | -0.49 | -0.24 | -0.44 | -1.14 | -2.20 | -1.80 |
| Standard Error | 0.57 | 0.96 | 0.34 | 0.80 | 0.71 | 0.44 | 1.05 | 0.89 | 0.47 | 0.64 | 0.88 | 0.43 | 0.68 | 0.78 | 0.50 |
| FT Mean | 10.88 | | | 9.33 | | | 11.08 | | | 9.39 | | | 8.33 | | |
| No. of FT Children | 48 | | | 39 | | | 25 | | | 52 | | | 33 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

# Table C7-IIIK-17

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE FOR COHORT III KINDERGARTEN SITES IN THE COGNITIVE CURRICULUM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋎ ⋏ |
| S.D. - | 2.39 |
| .25 S.D. - | .60 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 13.1



| | NEW YORK,NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.16 | 0.87 | 0.35 | -0.62 | -0.60 | -0.94 | 0.59 | 0.49 | 0.55 | -0.04 | 0.43 | 0.07 | 1.00 | -0.65 | 0.18 |
| Standard Error | 0.54 | 1.00 | 0.41 | 0.76 | 0.68 | 0.52 | 1.00 | 0.81 | 0.39 | 0.61 | 0.82 | 0.41 | 0.64 | 0.57 | 0.42 |
| FT Mean | 13.38 | | | 11.74 | | | 13.72 | | | 12.71 | | | 13.09 | | |
| No. of FT Children | 48 | | | 39 | | | 25 | | | 52 | | | 33 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

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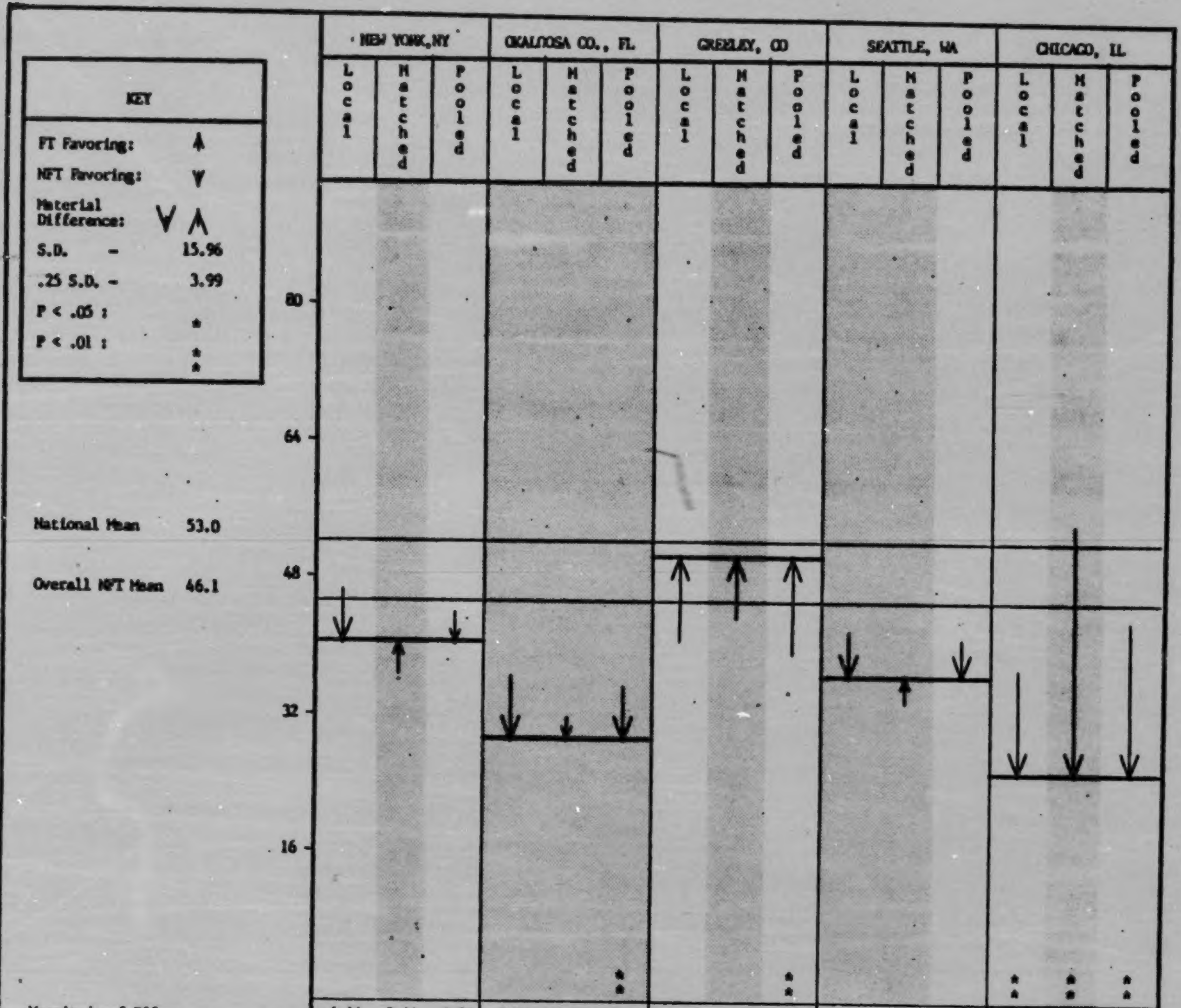
879

## Table C7-IIIK-18

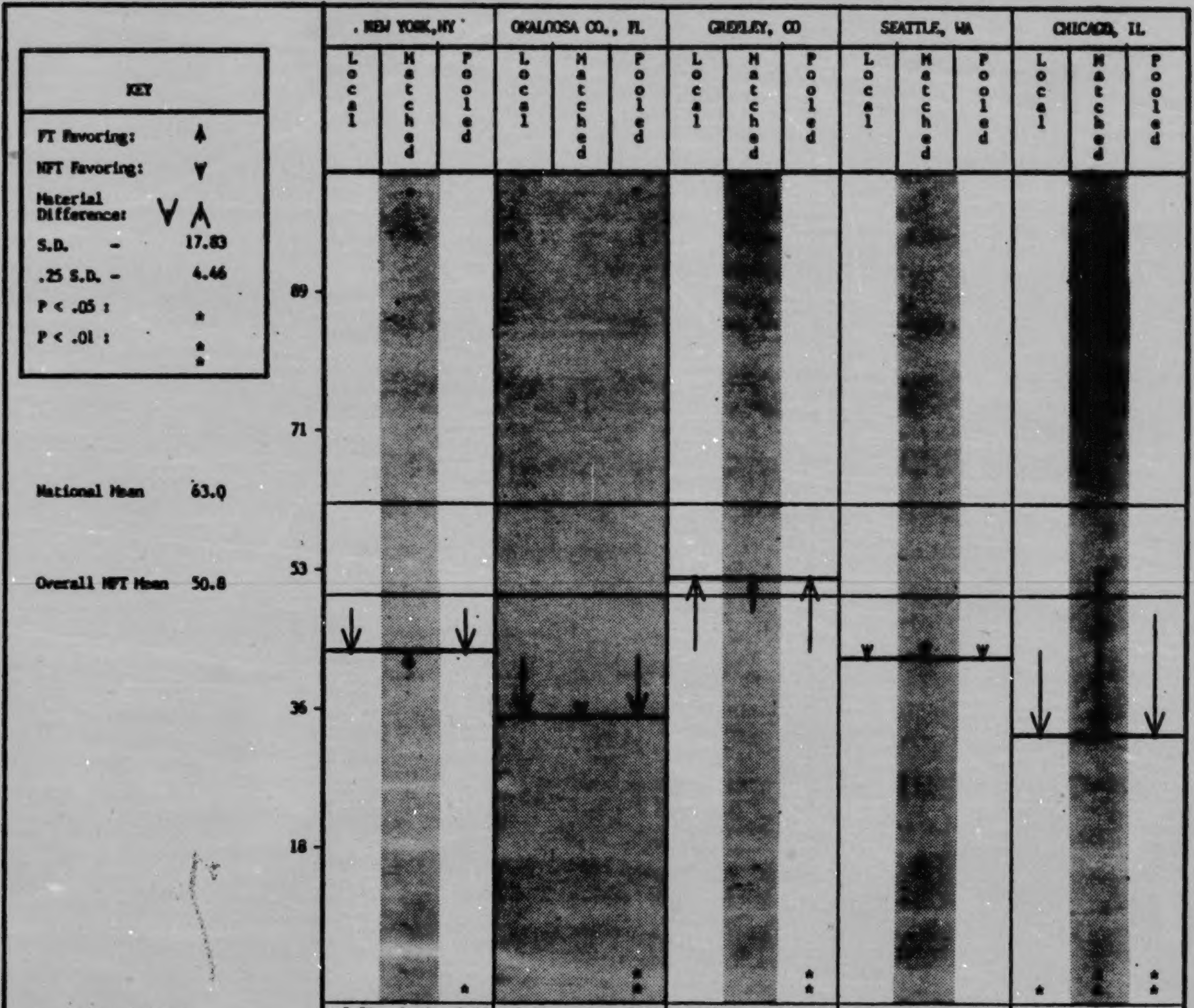
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL READING FOR COHORT III KINDERGARTEN SITES IN THE COGNITIVE CURRICULUM MODEL



| | NEW YORK, NY | | | OKALOOSA CO., FL. | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -6.14 | 3.41 | -3.54 | -7.34 | -2.58 | -6.20 | 9.76 | 7.17 | 11.36 | -5.46 | 3.02 | -4.43 | -12.24 | -29.10 | -17.92 |
| Standard Error | 3.17 | 4.78 | 1.82 | 4.43 | 3.35 | 2.02 | 5.82 | 5.93 | 3.39 | 3.54 | 4.41 | 2.38 | 3.76 | 4.61 | 2.12 |
| FT Mean | 40.88 | | | 29.80 | | | 51.04 | | | 37.10 | | | 25.82 | | |
| No. of FT Children | 48 | | | 39 | | | 25 | | | 52 | | | 33 | | |
| Matched NFT Site | Morgan Comm Sch, DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

## Table C7-IIIK-19

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT TOTAL MATH
FOR COHORT III KINDERGARTEN SITES
IN THE COGNITIVE CURRICULUM MODEL



| | NEW YORK, NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -5.59 | 2.02 | -5.68 | -7.66 | -0.01 | -7.95 | 9.31 | 4.33 | 9.47 | -0.30 | -2.10 | -0.08 | -11.06 | -21.70 | -15.76 |
| Standard Error | 3.65 | 5.54 | 2.21 | 5.10 | 3.48 | 1.89 | 6.70 | 6.35 | 3.38 | 4.07 | 5.07 | 2.87 | 4.33 | 4.42 | 2.67 |
| FT Mean | 43.73 | | | 35.49 | | | 53.28 | | | 42.92 | | | 33.06 | | |
| No. of FT Children | 48 | | | 39 | | | 25 | | | 52 | | | 33 | | |
| Matched NFT Site | Morgan Comm Sch, DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

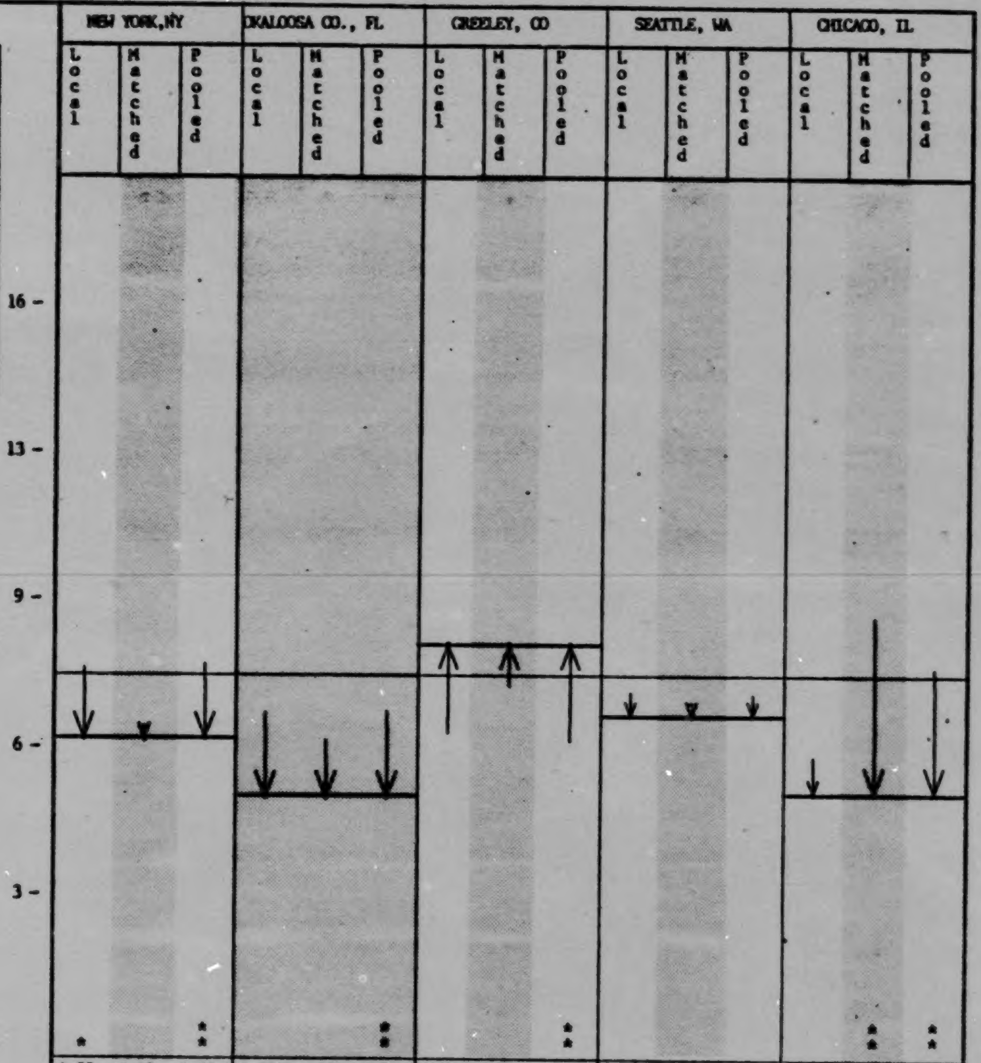
COHORT III-K STUDY
Non-Preschool Adjusted

## Table C7-IIIK-20

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT III KINDERGARTEN SITES IN THE COGNITIVE CURRICULUM MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 3.14 |
| .25 S.D. - | .79 |
| P < .05 : | * |
| P < .01 : | ** |

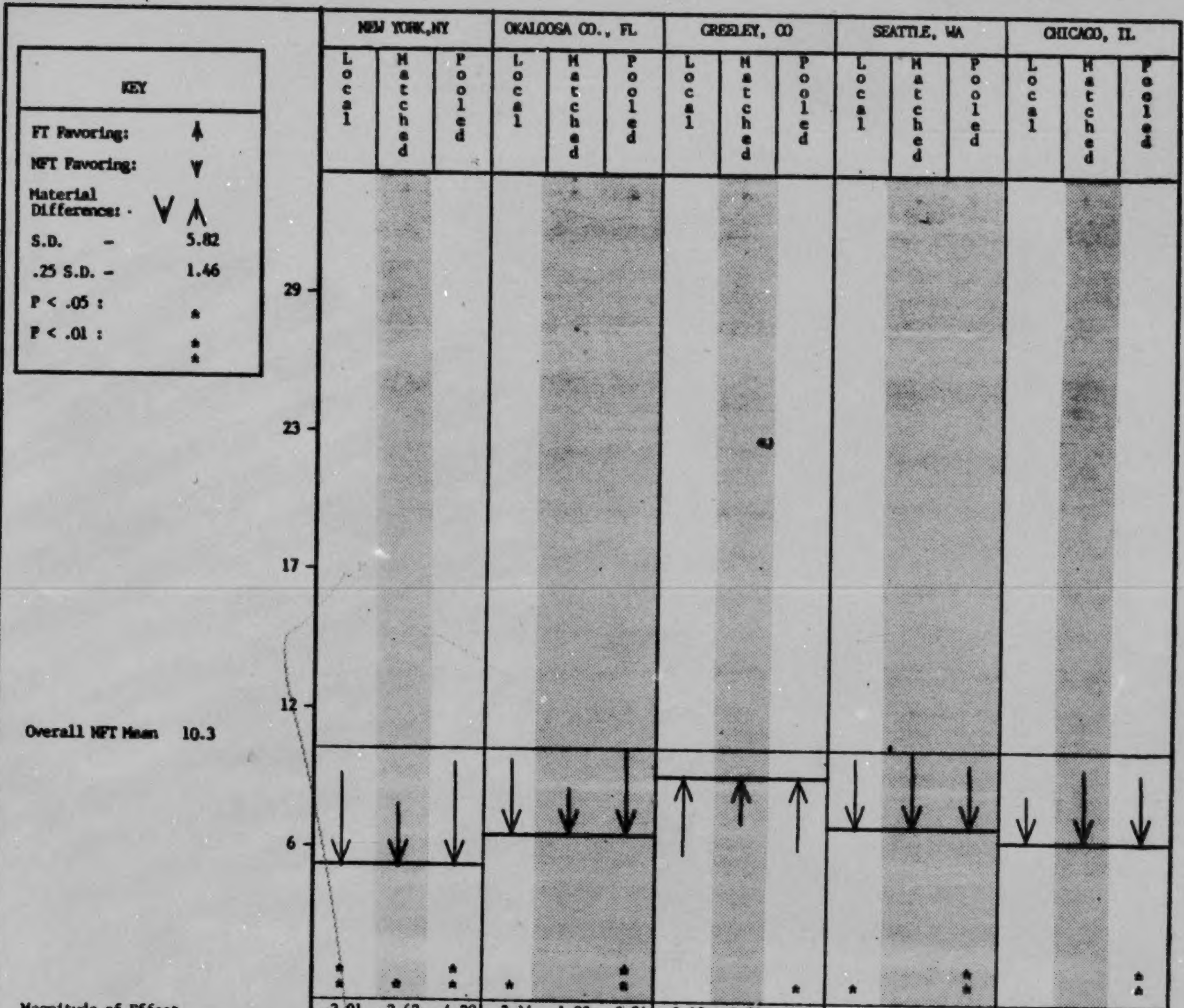


Overall NFT Mean 8.1

| | NEW YORK,NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.55 | -0.08 | -1.62 | -1.78 | -1.18 | -1.83 | 1.89 | 0.90 | 2.04 | -0.48 | -0.23 | -0.44 | -0.77 | -3.76 | -2.65 |
| Standard Error | 0.65 | 1.07 | 0.41 | 0.91 | 0.77 | 0.43 | 1.20 | 1.07 | 0.59 | 0.73 | 0.99 | 0.49 | 0.77 | 0.83 | 0.44 |
| FT Mean | 6.58 | | | 5.39 | | | 8.60 | | | 7.10 | | | 5.42 | | |
| No. of FT Children | 48 | | | 39 | | | 25 | | | 52 | | | 33 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

## Table C7-IIIK-21

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT
### ON THE MAT LANGUAGE PART B
### FOR COHORT III KINDERGARTEN SITES
### IN THE COGNITIVE CURRICULUM MODEL



| | NEW YORK,NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | ** | * | ** | * | | ** | | | * | * | | ** | | | ** |
| Magnitude of Effect | -3.91 | -2.62 | -4.28 | -3.14 | -1.93 | -3.54 | 3.15 | 1.88 | 3.02 | -2.95 | -3.04 | -2.64 | -1.93 | -3.01 | -2.78 |
| Standard Error | 1.13 | 1.24 | 0.47 | 1.58 | 1.11 | 0.47 | 2.07 | 2.01 | 1.31 | 1.26 | 1.56 | 0.76 | 1.34 | 1.66 | 0.85 |
| FT Mean | 5.33 | | | 6.59 | | | 8.96 | | | 6.92 | | | 6.42 | | |
| No. of FT Children | 48 | | | 39 | | | 25 | | | 52 | | | 33 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

417

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C7-IIIK-22

### STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS
### COHORT III KINDERGARTEN CHILDREN
### FOR THE COGNITIVE CURRICULUM MODEL

| | MAT NORM POPULATION | SPONSOR'S SITES | | | NEW YORK, NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| TOTAL READING | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 61 | 51.9 | 57.1 | — | 54.5 | 58.8 | 50.3 | 47.3 | 59.0 | 49.1 | 59.9 | 55.0 | — | 52.0 | 61.0 | 52.3 | 45.8 | 51.6 | 63.8 |
| Median Percentile | 50 | 22.0 | 36.0 | 28.0 | 30.0 | 42.0 | 16.0 | 10.0 | 42.0 | 14.0 | 46.0 | 30.0 | 30.0 | 22.0 | 48.0 | 22.0 | 9.0 | 22.0 | 60.0 |
| Grade Equivalent | 3.5 | 2.6 | 3.1 | 2.8 | 2.9 | 3.3 | 2.4 | 2.2 | 3.3 | 2.4 | 3.4 | 2.9 | 2.9 | 2.6 | 3.5 | 2.6 | 2.2 | 2.6 | 3.8 |
| 1 Year or More Below Grade Level | 20 | 51.4 | 32.1 | — | 41.7 | 24.6 | 60.0 | 69.2 | 31.5 | 57.6 | 16.0 | 33.3 | — | 48.1 | 21.4 | 44.9 | 81.8 | 49.5 | 18.9 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 57.2 | 62.0 | — | 60.7 | 64.9 | 52.0 | 52.8 | 64.2 | 53.2 | 65.0 | 59.5 | — | 57.8 | 64.0 | 58.2 | 49.8 | 57.6 | 68.3 |
| Median Percentile | 50 | 12.0 | 23.0 | 14.0 | 20.0 | 32.0 | 6.0 | 8.0 | 28.0 | 8.0 | 32.0 | 18.0 | 18.0 | 14.0 | 28.0 | 14.0 | 4.0 | 14.0 | 40.0 |
| Grade Equivalent | 3.75 | 2.7 | 3.1 | 2.8 | 3.0 | 3.3 | 2.3 | 2.4 | 3.2 | 2.4 | 3.3 | 3.0 | 3.0 | 2.8 | 3.2 | 2.8 | 2.2 | 2.8 | 3.5 |
| 1 Year or More Below Grade Level | 12 | 47.4 | 34.1 | — | 37.5 | 28.0 | 53.3 | 66.7 | 18.5 | 63.2 | 12.0 | 44.4 | — | 48.1 | 30.0 | 42.9 | 72.7 | 49.5 | 24.3 |
| SPELLING | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 64 | 54.0 | 59.7 | — | 62.5 | 66.8 | 50.5 | 46.9 | 58.3 | 54.8 | 63.3 | 54.5 | — | 55.3 | 64.0 | 59.8 | 42.0 | 55.1 | 74.8 |
| Median Percentile | 50 | 22.0 | 38.0 | 36.0 | 48.0 | 60.0 | 16.0 | 10.0 | 32.0 | 23.0 | 48.0 | 23.0 | 23.0 | 23.0 | 50.0 | 38.0 | 4.0 | 23.0 | 82.0 |
| Grade Equivalent | 3.6 | 2.6 | 3.1 | 3.0 | 3.5 | 4.1 | 2.4 | 2.2 | 2.9 | 2.7 | 3.5 | 2.7 | 2.7 | 2.7 | 3.6 | 3.1 | 1.8 | 2.7 | 5.0 |
| 1 Year or More Below Grade Level | 22 | 42.5 | 33.4 | — | 10.4 | 20.3 | 66.7 | 71.8 | 35.2 | 49.1 | 20.0 | 50.0 | — | 40.4 | 14.3 | 36.7 | 69.7 | 47.3 | 18.9 |
| LANGUAGE | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70 | 53.7 | 58.8 | — | 52.3 | 59.3 | 53.8 | 53.8 | 63.5 | 56.0 | 56.8 | 54.3 | — | 55.5 | 62.8 | 57.0 | 50.4 | 54.0 | 62.7 |
| Median Percentile | 50 | 12.0 | 23.0 | 20.0 | 10.0 | 23.0 | 12.0 | 12.0 | 34.0 | 18.0 | 20.0 | 12.0 | 12.0 | 18.0 | 32.0 | 20.0 | 8.0 | 12.0 | 32.0 |
| Grade Equivalent | 4.0 | 2.4 | 2.9 | 2.7 | 2.3 | 2.9 | 2.4 | 2.4 | 3.3 | 2.6 | 2.7 | 2.4 | 2.4 | 2.6 | 3.2 | 2.7 | 2.1 | 2.4 | 3.2 |
| 1 Year or More Below Grade Level | 14 | 78.3 | 60.8 | — | 89.6 | 58.0 | 73.3 | 84.6 | 40.7 | 77.4 | 60.0 | 77.8 | — | 69.2 | 45.7 | 59.2 | 87.9 | 81.7 | 43.2 |
| BEST MATCHED SITE | | | | | Morgan Comm Sch, DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

Table C7-IIIK(PS)-22

## STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN WTIH HEADSTART FOR THE COGNITIVE CURRICULUM MODEL

| | MAT NORM POPU-LATION | SPONSOR'S SITES | | NEW YORK, NY | | OKALOOSA CO., FL | | GREELEY, CO | | SEATTLE, WA | | CHICAGO, IL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| **TOTAL READING** | | | | | | | | | | | | | |
| Third Grade Median | 61 | 51.5 | 57.4 | 54.8 | 59.3 | 46.8 | 59.5 | 58.2 | 55.0 | 51.8 | 60.8 | 45.8 | 52.3 |
| Median Percentile | 50 | 22 | 38 | 30 | 42 | 10 | 46 | 40 | 30 | 22 | 50 | 9 | 22 |
| Grade Equivalent | 3.5 | 2.6 | 3.1 | 2.9 | 3.3 | 2.2 | 3.4 | 3.2 | 2.9 | 2.6 | 3.5 | 2.2 | 2.6 |
| % 1 Year or More Below Grade Level | 20 | 52 | 31 | 41 | 26 | 68 | 31 | 20 | 33 | 49 | 19 | 84 | 47 |
| **TOTAL MATHEMATICS** | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 56.4 | 61.5 | 60.9 | 64.1 | 52.8 | 64.6 | 63.8 | 59.5 | 56.0 | 61.2 | 48.3 | 58.0 |
| Median Percentile | 50 | 14 | 22 | 20 | 28 | 8 | 32 | 28 | 18 | 11 | 20 | 4 | 14 |
| Grade Equivalent | 3.75 | 2.7 | 3.1 | 3.0 | 3.2 | 2.4 | 3.3 | 3.2 | 3.0 | 2.6 | 3.0 | 2.1 | 2.8 |
| % 1 Year or More Below Grade Level | 12 | 49 | 36 | 39 | 29 | 65 | 19 | 15 | 44 | 51 | 42 | 74 | 48 |
| **SPELLING** | | | | | | | | | | | | | |
| Third Grade Median | 64 | 53.4 | 59.6 | 62.2 | 66.4 | 46.8 | 58.6 | 61.2 | 54.5 | 55.4 | 63.5 | 41.5 | 55.1 |
| Median Percentile | 50 | 24 | 38 | 44 | 58 | 10 | 36 | 40 | 22 | 23 | 50 | 5 | 23 |
| Grade Equivalent | 3.6 | 2.7 | 3.2 | 3.4 | 3.9 | 2.2 | 3.0 | 3.3 | 2.6 | 2.7 | 3.6 | 1.8 | 2.7 |
| % 1 Year or More Below Grade Level | 22 | 43 | 35 | 11 | 24 | 70 | 35 | 25 | 50 | 40 | 19 | 68 | 47 |
| **LANGUAGE** | | | | | | | | | | | | | |
| Third Grade Median | 70 | 53.8 | 59.1 | 53.0 | 59.7 | 54.2 | 63.5 | 55.5 | 54.2 | 55.3 | 63.5 | 50.8 | 54.4 |
| Median Percentile | 50 | 13 | 24 | 11 | 26 | 12 | 34 | 18 | 12 | 14 | 34 | 9 | 12 |
| Grade Equivalent | 4.0 | 2.4 | 2.9 | 2.4 | 3.0 | 2.4 | 3.3 | 2.6 | 2.4 | 2.5 | 3.3 | 2.2 | 2.4 |
| % 1 Year or More Below Grade Level | 14 | 77 | 61 | 89 | 57 | 84 | 41 | 60 | 78 | 67 | 46 | 87 | 81 |

## Table C7-IIIK-23

### MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES USED IN THE ANALYTIC SAMPLE OF THE COHORT III KINDERGARTEN CHILDREN FOR THE COGNITIVE CURRICULUM MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | | | | | | | | | | | | | |
| Mean | 28.5 | 30.9 | — | 32.3 | 31.1 | 28.3 | 17.8 | 25.2 | 17.8 | 31.4 | 32.3 | — | 28.1 | 37.8 | 30.3 | 32.9 | 28.2 | 30.0 |
| Standard Deviation | — | — | — | 11.9 | 12.4 | 12.1 | 7.3 | 10.5 | 9.0 | 10.6 | 13.3 | — | 12.0 | 13.0 | 9.9 | 10.4 | 11.9 | 13.6 |
| HIGHEST OCCUPATION IN HOUSE | | | | | | | | | | | | | | | | | | |
| Mean | 13.6 | 14.2 | — | 14.2 | 14.0 | 13.9 | 12.9 | 14.7 | 13.6 | 13.4 | 13.8 | — | 13.5 | 15.0 | 13.4 | 13.9 | 13.6 | 14.4 |
| Standard Deviation | — | — | — | 2.1 | 2.0 | 1.9 | 1.4 | 2.0 | 1.9 | 1.4 | 2.1 | — | 2.1 | 2.3 | 1.8 | 1.4 | 1.7 | 1.9 |
| FAMILY INCOME IN DOLLARS | | | | | | | | | | | | | | | | | | |
| Mean | 4531 | 5964 | — | 5103 | 6090 | 4460 | 3725 | 5592 | 4743 | 5410 | 5594 | — | 3522 | 7703 | 3590 | 4896 | 4843 | 5241 |
| Standard Deviation | — | — | — | 2612 | 2255 | 2318 | 1879 | 2941 | 3052 | 3116 | 2559 | — | 2556 | 2857 | 2393 | 2817 | 2589 | 2618 |
| MISSING INCOME INFORMATION | | | | | | | | | | | | | | | | | | |
| No. Missing | — | — | — | 15 | 168 | 0 | 3 | 1 | 50 | 5 | 1 | — | 16 | 43 | 18 | 4 | 9 | 10 |
| Valid Cases | — | — | — | 33 | 39 | 15 | 36 | 53 | 56 | 20 | 17 | — | 36 | 27 | 31 | 29 | 84 | 27 |
| ETHNIC MEMBERSHIP/RACE | | | | | | | | | | | | | | | | | | |
| Percent White | 10 | 24 | — | 0 | 2 | 0 | 5 | 78 | 2 | 28 | 22 | — | 15 | 20 | 0 | 0 | 0 | 0 |
| Percent Black | 72 | 51 | — | 98 | 81 | 100 | 95 | 22 | 98 | 0 | 6 | — | 69 | 47 | 100 | 100 | 100 | 97 |
| SEX Percent Female | 46 | 50 | — | 58 | 48 | 53 | 51 | 56 | 49 | 32 | 33 | — | 56 | 51 | 55 | 33 | 59 | 51 |
| ENTRY AGE IN MONTHS | | | | | | | | | | | | | | | | | | |
| Mean | 64.7 | 64.5 | — | 63.7 | 63.4 | 61.6 | 63.3 | 63.4 | 62.9 | 67.7 | 67.9 | — | 64.5 | 64.3 | 67.0 | 64.5 | 63.3 | 62.7 |
| Standard Deviation | — | — | — | 3.7 | 3.5 | 3.8 | 4.0 | 3.6 | 3.9 | 3.7 | 4.0 | — | 4.3 | 4.3 | 3.9 | 4.3 | 3.7 | 4.2 |
| FIRST LANGUAGE | | | | | | | | | | | | | | | | | | |
| Percent English | 91 | 95 | — | 100 | 85 | 100 | 100 | 100 | 100 | 56 | 89 | — | 100 | 100 | 100 | 100 | 100 | 97 |
| BEST MATCHED SITE | | | | Morgan Comm Sch, DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

## Table C7-IIIK-24

## MEANS AND STANDARD DEVIATIONS
## FOR THE OUTCOME MEASURES
## FOR THE COHORT III KINDERGARTEN CHILDREN
## IN THE COGNITIVE CURRICULUM MODEL

| | | ALL SITES | | SPONSOR'S SITES | | | NEW YORK,NY | | | OKALOOSA CO., FL | | | GREELEY, CO | | | SEATTLE, WA | | | CHICAGO, IL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | Mean | 41.25 | 46.14 | 36.92 | 44.53 | — | 40.88 | 47.54 | 34.13 | 29.79 | 46.72 | 33.60 | 51.04 | 42.28 | — | 37.10 | 51.33 | 34.71 | 25.82 | 34.76 | 54.92 |
| | Standard Deviation | | | — | — | — | 15.36 | 17.01 | 12.74 | 15.23 | 18.35 | 14.14 | 17.31 | 18.25 | — | 17.56 | 18.54 | 13.96 | 9.67 | 14.44 | 19.69 |
| TOTAL MATHEMATICS | Mean | 47.77 | 50.84 | 41.70 | 48.79 | — | 43.73 | 51.13 | 38.27 | 35.49 | 53.43 | 35.66 | 53.28 | 45.83 | — | 42.92 | 53.23 | 43.45 | 33.06 | 40.35 | 55.32 |
| | Standard Deviation | | | — | — | — | 15.99 | 19.80 | 14.03 | 13.53 | 18.16 | 15.10 | 18.83 | 19.39 | — | 20.13 | 22.18 | 16.05 | 13.87 | 16.62 | 18.59 |
| LANGUAGE | Mean | 16.60 | 18.44 | 13.46 | 17.34 | — | 11.92 | 16.93 | 14.40 | 11.97 | 21.50 | 15.06 | 17.56 | 13.89 | — | 14.02 | 21.00 | 16.24 | 11.85 | 13.35 | 19.81 |
| | Standard Deviation | | | — | — | — | 4.33 | 7.68 | 6.76 | 5.19 | 8.26 | 6.73 | 8.42 | 6.22 | — | 7.29 | 10.20 | 7.84 | 4.96 | 6.39 | 9.19 |
| SPELLING | Mean | 17.64 | 20.63 | 14.85 | 19.08 | — | 22.33 | 24.46 | 11.00 | 8.64 | 18.19 | 13.20 | 21.84 | 14.78 | — | 14.58 | 23.37 | 16.10 | 6.85 | 14.58 | 27.81 |
| | Standard Deviation | | | — | — | — | 10.42 | 12.06 | 11.80 | 11.27 | 12.23 | 12.46 | 11.58 | 11.85 | — | 12.46 | 10.52 | 11.97 | 8.41 | 13.28 | 13.44 |
| RAVEN'S PROGRESSIVE MAT. | Mean | 18.15 | 18.95 | 17.76 | 18.69 | — | 15.83 | 17.53 | 16.53 | 16.54 | 19.80 | 16.97 | 20.52 | 19.72 | — | 18.52 | 20.41 | 15.41 | 17.39 | 16.00 | 17.95 |
| | Standard Deviation | | | — | — | — | 4.51 | 4.88 | 4.14 | 4.41 | 4.20 | 4.02 | 3.38 | 3.80 | — | 5.16 | 4.36 | 4.06 | 4.33 | 4.43 | 4.42 |
| COOPERSMITH'S SELF-EST. | Mean | 35.64 | 36.59 | 34.40 | 35.58 | — | 37.27 | 37.24 | 32.67 | 30.49 | 34.96 | 35.95 | 34.04 | 32.00 | — | 36.31 | 38.44 | 36.37 | 33.91 | 35.27 | 38.27 |
| | Standard Deviation | | | — | — | — | 5.78 | 7.11 | 8.89 | 8.83 | 7.75 | 8.03 | 6.40 | 7.40 | — | 6.63 | 7.08 | 6.28 | 6.71 | 6.63 | 5.33 |
| IARS-LOCUS NEGATIVE | Mean | 9.91 | 10.11 | 9.80 | 10.42 | — | 10.88 | 11.20 | 8.47 | 9.33 | 10.13 | 8.85 | 11.08 | 11.11 | — | 9.38 | 10.30 | 9.73 | 8.33 | 9.34 | 10.27 |
| | Standard Deviation | | | — | — | — | 2.29 | 2.45 | 3.00 | 2.72 | 2.30 | 2.71 | 2.31 | 2.03 | — | 3.24 | 2.66 | 2.74 | 3.00 | 2.45 | 2.31 |
| IARS-LOCUS POSITIVE | Mean | 12.83 | 13.07 | 12.93 | 13.13 | — | 13.38 | 13.57 | 12.60 | 11.74 | 13.37 | 12.32 | 13.72 | 13.33 | — | 12.71 | 13.31 | 12.14 | 13.09 | 12.06 | 13.92 |
| | Standard Deviation | | | — | — | — | 2.77 | 2.12 | 2.16 | 3.26 | 1.90 | 2.30 | 1.79 | 2.52 | — | 3.02 | 2.59 | 2.37 | 2.36 | 2.66 | 1.57 |
| WORD KNOWLEDGE | Mean | 23.30 | 26.29 | 20.43 | 25.21 | — | 23.69 | 26.98 | 19.53 | 15.54 | 26.41 | 18.73 | 28.12 | 24.00 | — | 21.31 | 29.34 | 19.65 | 13.52 | 19.33 | 33.89 |
| | Standard Deviation | | | — | — | — | 9.86 | 10.20 | 8.06 | 10.53 | 10.75 | 9.32 | 9.85 | 10.19 | — | 11.20 | 11.37 | 8.69 | 6.22 | 9.59 | 12.69 |
| READING | Mean | 17.95 | 19.85 | 16.49 | 19.31 | — | 17.19 | 20.57 | 14.60 | 14.26 | 20.31 | 14.88 | 22.92 | 18.28 | — | 15.79 | 21.99 | 15.06 | 12.30 | 15.43 | 21.03 |
| | Standard Deviation | | | — | — | — | 6.35 | 7.62 | 5.45 | 5.68 | 8.64 | 5.67 | 8.12 | 8.69 | — | 7.25 | 8.03 | 6.18 | 4.27 | 5.82 | 8.22 |
| MATH COMPUTATIONS | Mean | 18.16 | 18.55 | 15.43 | 17.86 | — | 16.83 | 19.35 | 14.87 | 14.26 | 19.17 | 12.97 | 18.28 | 17.17 | — | 15.58 | 18.63 | 16.18 | 12.21 | 14.97 | 22.57 |
| | Standard Deviation | | | — | — | — | 5.67 | 7.85 | 4.85 | 5.57 | 6.77 | 5.43 | 5.98 | 6.65 | — | 7.83 | 7.71 | 6.77 | 5.73 | 6.75 | 8.09 |
| MATH CONCEPTS | Mean | 16.41 | 18.04 | 14.46 | 17.30 | — | 15.02 | 17.52 | 14.00 | 11.92 | 19.06 | 12.32 | 18.48 | 16.28 | — | 15.94 | 19.61 | 15.55 | 10.94 | 14.01 | 19.05 |
| | Standard Deviation | | | — | — | — | 6.45 | 7.21 | 6.72 | 5.62 | 6.64 | 6.45 | 6.72 | 7.51 | — | 8.27 | 8.22 | 6.16 | 5.73 | 6.45 | 6.52 |
| MATH PROBLEM SOLVING | Mean | 13.20 | 14.25 | 11.80 | 13.64 | — | 11.88 | 14.25 | 9.40 | 9.31 | 15.20 | 10.37 | 16.52 | 12.39 | — | 11.40 | 14.99 | 11.71 | 9.91 | 11.38 | 13.70 |
| | Standard Deviation | | | — | — | — | 5.80 | 6.70 | 4.47 | 3.82 | 6.58 | 5.09 | 8.01 | 7.04 | — | 5.37 | 7.79 | 5.49 | 3.82 | 5.29 | 5.92 |
| LANGUAGE PART A | Mean | 7.59 | 8.13 | 6.62 | 7.72 | — | 6.58 | 8.16 | 6.40 | 5.38 | 8.65 | 6.51 | 8.60 | 7.00 | — | 7.10 | 8.91 | 7.22 | 5.42 | 5.85 | 9.43 |
| | Standard Deviation | | | — | — | — | 3.13 | 3.24 | 3.48 | 3.19 | 2.59 | 3.25 | 3.24 | 3.18 | — | 3.65 | 3.34 | 3.41 | 2.56 | 3.08 | 3.22 |
| LANGUAGE PART B | Mean | 9.01 | 10.31 | 6.85 | 9.62 | — | 5.33 | 8.77 | 8.00 | 6.59 | 12.85 | 8.55 | 8.96 | 6.89 | — | 6.92 | 12.09 | 9.02 | 6.42 | 7.51 | 10.38 |
| | Standard Deviation | | | — | — | — | 2.96 | 5.85 | 4.71 | 3.19 | 6.78 | 4.63 | 6.53 | 4.01 | — | 4.99 | 7.66 | 5.78 | 3.38 | 4.52 | 7.32 |
| BEST MATCH SITE | | | | | | | Morgan Comm Sch,DC | | | Louisville, KY | | | Greeley, CO | | | St. Louis, MO | | | Newark, NJ | | |

**COHORT III-K STUDY**
**Non-Preschool Adjusted**

Table C7-IIIK-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K LOCAL ANALYSES FOR THE COGNITIVE CURRICULUM MODEL

### CODE

FKW = Fall Kindergarten WRAT
NOFKW = Missing WRAT
SEX = Sex
LANG = First Language
OCCUP = Occupation
NOOCCUP = Missing Occupation
ENTAGE = Entry Age
INCOME = Income
ETH1 = White vs. Black
ETH2 = White vs. Other
NOINC = Missing Income

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .71255766 | .63919904E-01 |
| NOFKW | 7.9655548 | 8.3228948 |
| SEX | -.14629811 | 1.4752945 |
| LANG | 1.6460398 | 3.8613797 |
| OCCUP | .64268946E-01 | .39315048 |
| NOOCCUP | 3.8637923 | 3.7475190 |
| ENTAGE | -.18472481 | .19607007 |
| INCOME | .32731416E-03 | .27534636E-03 |
| ETH1 | 3.6531561 | 1.6366995 |
| ETH2 | -1.8892591 | 1.9402986 |
| NOINC | -3.0931018 | 4.0279516 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .71951287 | .73565608E-01 |
| NOFKW | 6.4908318 | 9.5788446 |
| SEX | -.64580242 | 1.6979208 |
| LANG | 5.6413248 | 4.4440735 |
| OCCUP | -.55796461E-01 | .45247807 |
| NOOCCUP | 3.2679029 | 4.3130308 |
| ENTAGE | .88405005E-01 | .22565763 |
| INCOME | .20507156E-03 | .31689695E-03 |
| ETH1 | 5.6137100 | 1.8836823 |
| ETH2 | -4.1636215 | 2.2330954 |
| NOINC | -.27660756E-03 | 4.6357816 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .43396004 | .47934126E-01 |
| NOFKW | 3.7318004 | 6.2414157 |
| SEX | 2.6653677 | 1.1063369 |
| LANG | 1.9118875 | 2.8956843 |
| OCCUP | -.16692874 | .29482718 |
| NOOCCUP | 2.6675092 | 2.8102991 |
| ENTAGE | -.82831625E-01 | .14703476 |
| INCOME | .15697586E-03 | .20648478E-03 |
| ETH1 | 1.4714104 | 1.2273760 |
| ETH2 | -2.3749061 | 1.4550478 |
| NOINC | -2.4695545 | 3.0205981 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .28589339 | .29323125E-01 |
| NOFKW | -.84913725 | 3.8181110 |
| SEX | -.91868814E-01 | .67678832 |
| LANG | 3.2221754 | 1.7714001 |
| OCCUP | .13916817 | .18035698 |
| NOOCCUP | .82790979 | 1.7191667 |
| ENTAGE | -.10183108 | .89946744E-01 |
| INCOME | .85032244E-04 | .12631458E-03 |
| ETH1 | 2.3878522 | .75083254 |
| ETH2 | -1.7810019 | .89010801 |
| NOINC | -1.5659233 | 1.8478146 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .15485929 | .18065837E-01 |
| NOFKW | -2.1927887 | 2.3523199 |
| SEX | -1.1902198 | .41696604 |
| LANG | -.28769034 | 1.0913511 |
| OCCUP | .91105040E-01 | .11111707 |
| NOOCCUP | -.12040790 | 1.0591703 |
| ENTAGE | -.78833902E-01 | .55415757E-01 |
| INCOME | .84436864E-05 | .77821807E-04 |
| ETH1 | 1.9630956 | .46258432 |
| ETH2 | -1.6845308 | .54839127 |
| NOINC | .65549088 | 1.1384297 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .11778207 | .31590596E-01 |
| NOFKW | -3.8737287 | 4.1133543 |
| SEX | -.63650084E-01 | .72912238 |
| LANG | -.36217231 | 1.9083772 |
| OCCUP | .41366435E-01 | .19430346 |
| NOOCCUP | -.87353249 | 1.8521048 |
| ENTAGE | -.71413361E-02 | .96902062E-01 |
| INCOME | .41989617E-04 | .13608212E-03 |
| ETH1 | .11620458E-01 | .80889222 |
| ETH2 | -.17673732 | .95893745 |
| NOINC | -.54851998 | 1.9907007 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .35719909E-01 | .10949683E-01 |
| NOFKW | -1.0768874 | 1.4257384 |
| SEX | .41749103 | .25272265 |
| LANG | .71466443 | .66146666 |
| OCCUP | .16546351E-01 | .67347931E-01 |
| NOOCCUP | .52456255 | .64196196 |
| ENTAGE | .73212665E-02 | .33587428E-01 |
| INCOME | -.20940422E-04 | .47167710E-04 |
| ETH1 | .73689746 | .28037184 |
| ETH2 | -.44398535 | .33237934 |
| NOINC | -.38442051 | .69000096 |

Table C7-IIIK-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .36680624E-01 | .11519608E-01 |
| NOFKW | -.75710305 | 1.4999473 |
| SEX | -.85234922E-01 | .26587672 |
| LANG | -.65245347E-02 | .69589564 |
| OCCUP | -.42247848E-01 | .70853355E-01 |
| NOOCCUP | .48361213E-01 | .67537573 |
| ENTAGE | -.34889995E-01 | .35335636E-01 |
| INCOME | -.11477913E-04 | .49622763E-04 |
| ETH1 | -.90831104E-01 | .29496504 |
| ETH2 | -.19009334 | .34967950 |
| NOINC | .38184242 | .72591514 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .43903512 | .39663958E-01 |
| NOFKW | 6.2410401 | 5.1645721 |
| SEX | -.11220896 | .91545848 |
| LANG | .47053436 | 2.3960863 |
| OCCUP | .26090329E-01 | .24396007 |
| NOOCCUP | 2.4898487 | 2.3254327 |
| ENTAGE | -.13864058 | .12166656 |
| INCOME | .17375798E-03 | .17085956E-03 |
| ETH1 | 1.9195125 | 1.0156145 |
| ETH2 | -.76479189 | 1.2040056 |
| NOINC | -2.1303349 | 2.4994485 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .27352254 | .28972775E-01 |
| NOFKW | 1.7245147 | 3.7724926 |
| SEX | -.34089158E-01 | .66870212 |
| LANG | 1.1755054 | 1.7502355 |
| OCCUP | .38178617E-01 | .17820209 |
| NOOCCUP | 1.3739436 | 1.6986263 |
| ENTAGE | -.46084232E-01 | .88872069E-01 |
| INCOME | .15355618E-03 | .12480539E-03 |
| ETH1 | 1.7336436 | .74186167 |
| ETH2 | -1.1244672 | .87947309 |
| NOINC | -.96276682 | 1.8257371 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .27448393 | .27835082E-01 |
| NOFKW | 1.4936957 | 3.6243556 |
| SEX | -.62063796 | .64244374 |
| LANG | 2.8171370 | 1.6815079 |
| OCCUP | -.88956211E-02 | .17120451 |
| NOOCCUP | .44439788 | 1.6319251 |
| ENTAGE | .63979058E-01 | .85382269E-01 |
| INCOME | .72286736E-04 | .11990457E-03 |
| ETH1 | 1.8128009 | .71273048 |
| ETH2 | -1.2711705 | .84493822 |
| NOINC | .66813168 | 1.7540446 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .22929520 | .29627365E-01 |
| NOFKW | 1.5985674 | 3.8577255 |
| SEX | .22099072 | .68381029 |
| LANG | 1.2793553 | 1.7897791 |
| OCCUP | .22371048E-01 | .18222826 |
| NOOCCUP | 1.1612616 | 1.7370038 |
| ENTAGE | -.33217306E-02 | .90879980E-01 |
| INCOME | .35904556E-04 | .12762515E-03 |
| ETH1 | 1.7061214 | .75862275 |
| ETH2 | -1.9439341 | .89934326 |
| NOINC | -.12599971 | 1.8669865 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .21573374 | .25392968E-01 |
| NOFKW | 3.3985688 | 3.3063723 |
| SEX | -.24615518 | .58607887 |
| LANG | 1.5448325 | 1.5339806 |
| OCCUP | -.69271888E-01 | .15618386 |
| NOOCCUP | 1.6623034 | 1.4887480 |
| ENTAGE | .27747678E-01 | .77891247E-01 |
| INCOME | .96880264E-04 | .10938473E-03 |
| ETH1 | 2.0947876 | .65019900 |
| ETH2 | -.94851690 | .77080747 |
| NOINC | -.54240859 | 1.6001533 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .10531004 | .13139985E-01 |
| NOFKW | -.95483834 | 1.7109337 |
| SEX | .38632821 | .30327561 |
| LANG | .71555477 | .79378207 |
| OCCUP | .36367669E-01 | .80819765E-01 |
| NOOCCUP | .61877459 | .77037577 |
| ENTAGE | -.13358540E-01 | .40306035E-01 |
| INCOME | .18121097E-04 | .56602826E-04 |
| ETH1 | .69509306 | .33645557 |
| ETH2 | -.49754312 | .39886630 |
| NOINC | -.37279626 | .82802418 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .18058334 | .22732356E-01 |
| NOFKW | .10570109 | 2.9599389 |
| SEX | -.47819702 | .52467099 |
| LANG | 2.5066206 | 1.3732539 |
| OCCUP | .10280050 | .13981931 |
| NOOCCUP | .20913520 | 1.3327607 |
| ENTAGE | -.88472542E-01 | .69729997E-01 |
| INCOME | .66911147E-04 | .97923670E-04 |
| ETH1 | 1.6927591 | .58207277 |
| ETH2 | -1.2834588 | .69004419 |
| NOINC | -1.1931270 | 1.4324933 |

## Table C7-IIIK(PS)-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K PRESCHOOL ADJUSTED LOCAL ANALYSES FOR THE COGNITIVE CURRICULUM MODEL

### CODE

SEX = Sex
ENTAGE = Entry Age
OCCUP = Occupation
NOOCCUP = Missing Occupation
INCOME = Income
NOINC = Missing Income
ETH2 = White vs. Other
ETH1 = White vs. Black
LANG = Language
PSSOME = Some Preschool
PSHS = Head Start
FKW = Fall Kindergarten WRAT
FKWHS = FKW x Head Start
FKWSOME = FKW x Some Preschool

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .36613538 | 1.4936390 |
| ENTAGE | -.27402295 | .19700293 |
| OCCUP | .55797042E-01 | .40327972 |
| NOOCCUP | 4.2519183 | 3.5523383 |
| INCOME | .38968196E-03 | .28352386E-03 |
| NOINC | -4.9449958 | 3.9707139 |
| ETH2 | -3.5695272 | 2.3769901 |
| ETH1 | 2.9094114 | 1.9136503 |
| LANG | .75478900 | 4.4586015 |
| PSSOME | .33546259 | 5.0328645 |
| PSHS | -.16844726 | 4.6284579 |
| FKW | .83736350 | .10260249 |
| FKWHS | -.12825668 | .14921433 |
| FKWSOME | -.10181699 | .15618431 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.76949534 | 1.6861330 |
| ENTAGE | .11844643 | .22239185 |
| OCCUP | -.10309477 | .45525273 |
| NOOCCUP | 2.6495153 | 4.0101489 |
| INCOME | .28617836E-03 | .32006324E-03 |
| NOINC | -1.6474906 | 4.4824429 |
| ETH2 | -5.5073559 | 2.6833267 |
| ETH1 | 4.3038604 | 2.1602736 |
| LANG | 2.5387633 | 5.0332076 |
| PSSOME | -6.5084597 | 5.6814792 |
| PSHS | 1.8149035 | 5.2249544 |
| FKW | .81294586 | .11582548 |
| FKWHS | -.24445482 | .16844445 |
| FKWSOME | .34315220E-01 | .17631269 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 2.2922705 | 1.1481083 |
| ENTAGE | -.12343360 | .15142929 |
| OCCUP | -.20215215 | .30998708 |
| NOOCCUP | 2.2836340 | 2.7305587 |
| INCOME | .20670636E-03 | .21793492E-03 |
| NOINC | -3.0440103 | 3.0521495 |
| ETH2 | -4.2664153 | 1.8271096 |
| ETH1 | 1.4785246 | 1.4709564 |
| LANG | 2.9522661 | 3.4271718 |
| PSSOME | -.15288586 | 3.8685877 |
| PSHS | .39612167 | 3.5577345 |
| FKW | .54089304 | .78866964E-01 |
| FKWHS | -.76923672E-01 | .11469586 |
| FKWSOME | -.10378384 | .12005344 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.48829995E-01 | .65870664 |
| ENTAGE | -.82563826E-01 | .86879851E-01 |
| OCCUP | .14948995 | .17784955 |
| NOOCCUP | 1.2492144 | 1.5666093 |
| INCOME | .10340439E-03 | .12503627E-03 |
| NOINC | -2.1747618 | 1.7511162 |
| ETH2 | -2.9161473 | 1.0482715 |
| ETH1 | 2.3410368 | .84393493 |
| LANG | 2.1516460 | 1.9662786 |
| PSSOME | -1.2019811 | 2.2195331 |
| PSHS | 1.0220470 | 2.0411866 |
| FKW | .33159327 | .45248512E-01 |
| FKWHS | -.10210290 | .65804700E-01 |
| FKWSOME | -.17777403E-01 | .60878516E-01 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.2115178 | .41717089 |
| ENTAGE | -.91012326E-01 | .55022589E-01 |
| OCCUP | .93308489E-01 | .11263535 |
| NOOCCUP | -.28769721 | .99216214 |
| INCOME | .24883542E-05 | .79187740E-04 |
| NOINC | .84503454 | 1.1090137 |
| ETH2 | -1.7348391 | .66388937 |
| ETH1 | 2.1199772 | .53447933 |
| LANG | -.17227067 | 1.2452800 |
| PSSOME | .69886403 | 1.4056706 |
| PSHS | -.83546033E-02 | 1.2927216 |
| FKW | .17504896 | .28656705E-01 |
| FKWHS | -.13495766E-01 | .41675312E-01 |
| FKWSOME | -.38878343E-01 | .43622016E-01 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .70406524E-02 | .73530457 |
| ENTAGE | .48643354E-02 | .96982705E-01 |
| OCCUP | .45635512E-01 | .19853084 |
| NOOCCUP | -.71091887 | 1.7487830 |
| INCOME | .44601646E-04 | .13957615E-03 |
| NOINC | -.57094679 | 1.9547454 |
| ETH2 | .36696356E-01 | 1.1701701 |
| ETH1 | -.67704734 | .94207220 |
| LANG | -1.3979430 | 2.1949280 |
| PSSOME | 3.5484815 | 2.4776323 |
| PSHS | -.96366255E-01 | 2.2785467 |
| FKW | .20466413 | .50510250E-01 |
| FKWHS | -.65983586E-01 | .73456822E-01 |
| FKWSOME | -.15469319 | .76888078E-01 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .48293567 | .25960887 |
| ENTAGE | .77037478E-02 | .34241009E-01 |
| OCCUP | .19731344E-01 | .70093905E-01 |
| NOOCCUP | .58967220 | .61743066 |
| INCOME | -.25658720E-04 | .49279182E-04 |
| NOINC | -.50400148 | .69014837 |
| ETH2 | -.59375605 | .41314381 |
| ETH1 | .70079028 | .33261088 |
| LANG | 1.1033607 | .77494795 |
| PSSOME | -.35349173 | .87476040 |
| PSHS | .15923124 | .80447064 |
| FKW | .41672858E-01 | .17833303E-01 |
| FKWHS | -.81005471E-02 | .25934890E-01 |
| FKWSOME | .59345614E-02 | .27146339E-01 |

Table C7-IIIK(PS)-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .77319742E-04 | .27086486 |
| ENTAGE | -.28485687E-01 | .35725613E-01 |
| OCCUP | -.47834917E-01 | .73133000E-01 |
| NOOCCUP | .23021982 | .64420089 |
| INCOME | -.22942941E-04 | .51415803E-04 |
| NOINC | .67511580 | .72007146 |
| ETH2 | -.36081763 | .43105869 |
| ETH1 | -.31435645E-01 | .34703205 |
| LANG | .21408432 | .80854774 |
| PSSOME | .21727896 | .91268780 |
| PSMS | -.38979574 | .83935045 |
| FKW | .33385441E-01 | .18606510E-01 |
| FKWHS | .94320370E-02 | .27059361E-01 |
| FKWSOME | -.12348457E-01 | .28323336E-01 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .97646135E-01 | .93186167 |
| ENTAGE | -.17986338 | .12290752 |
| OCCUP | .23400697E-01 | .25160089 |
| NOOCCUP | 2.8895011 | 2.2162569 |
| INCOME | .18962462E-03 | .17688679E-03 |
| NOINC | -2.9869417 | 2.4772759 |
| ETH2 | -2.2529184 | 1.4829727 |
| ETH1 | 1.8621262 | 1.1939011 |
| LANG | .63942347 | 2.7816626 |
| PSSOME | -.24982335 | 3.1399377 |
| PSMS | .15562201 | 2.8876338 |
| FKW | .51810424 | .64012340E-01 |
| FKWHS | -.71040931E-01 | .93092848E-01 |
| FKWSOME | -.57917787E-01 | .97441326E-01 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .26848925 | .67248001 |
| ENTAGE | -.94159577E-01 | .88696484E-01 |
| OCCUP | .32396345E-01 | .18156833 |
| NOOCCUP | 1.3624173 | 1.5993667 |
| INCOME | .20005734E-03 | .12765074E-03 |
| NOINC | -1.9580541 | 1.7877316 |
| ETH2 | -1.3166088 | 1.0701905 |
| ETH1 | 1.0472852 | .86158137 |
| LANG | .11536552 | 2.0073929 |
| PSSOME | .58528594 | 2.2659429 |
| PSMS | -.32406927 | 2.0838672 |
| FKW | .31925926 | .46194645E-01 |
| FKWHS | -.57217732E-01 | .67180658E-01 |
| FKWSOME | -.43893200E-01 | .70318746E-01 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.63570678 | .65073554 |
| ENTAGE | .66385485E-01 | .85828505E-01 |
| OCCUP | -.89660727E-02 | .17569737 |
| NOOCCUP | .30233092 | 1.5476515 |
| INCOME | .10103440E-03 | .12352319E-03 |
| NOINC | .29620259 | 1.7299257 |
| ETH2 | -1.7574560 | 1.0355862 |
| ETH1 | 1.1842569 | .83372235 |
| LANG | 2.2983975 | 1.9424844 |
| PSSOME | -1.4979142 | 2.1926742 |
| PSMS | .59979991E-01 | 2.0164859 |
| FKW | .31105772 | .44700953E-01 |
| FKWHS | -.67594178E-01 | .65008388E-01 |
| FKWSOME | -.15340615E-01 | .68045007E-01 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .43779894E-01 | .68941283 |
| ENTAGE | .18081527E-01 | .90929832E-01 |
| OCCUP | .23652784E-02 | .18614016 |
| NOOCCUP | .86208358 | 1.6396382 |
| INCOME | .59167063E-04 | .13086494E-03 |
| NOINC | -.39833460 | 1.8327461 |
| ETH2 | -2.3412514 | 1.0971376 |
| ETH1 | 1.3673960 | .88327570 |
| LANG | -.35267528 | 2.0579384 |
| PSSOME | -3.1329510 | 2.3229986 |
| PSMS | .68949516 | 2.1363383 |
| FKW | .25418907 | .47357811E-01 |
| FKWHS | -.77918139E-01 | .68872244E-01 |
| FKWSOME | .39372468E-01 | .72089349E-01 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.17756845 | .56836427 |
| ENTAGE | .33979420E-01 | .74964180E-01 |
| OCCUP | -.96493979E-01 | .15345728 |
| NOOCCUP | 1.4851008 | 1.3517470 |
| INCOME | .12597690E-03 | .10788740E-03 |
| NOINC | -.94535856 | 1.5109486 |
| ETH2 | -1.4086486 | .90449983 |
| ETH1 | 1.7521475 | .72818829 |
| LANG | .59298108 | 1.6966012 |
| PSSOME | -1.8775945 | 1.9151216 |
| PSMS | 1.0654284 | 1.7612355 |
| FKW | .64769907 | .39042626E-01 |
| FKWHS | -.98942502E-01 | .56779510E-01 |
| FKWSOME | .10283367E-01 | .59431748E-01 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .29356154 | .30852364 |
| ENTAGE | -.30703236E-01 | .40692603E-01 |
| OCCUP | .23910455E-01 | .83300800E-01 |
| NOOCCUP | .47085052 | .73376519 |
| INCOME | .22103454E-04 | .58564226E-04 |
| NOINC | -.61345582 | .82018417 |
| ETH2 | -.50239765 | .49098720 |
| ETH1 | .45206926 | .39528048 |
| LANG | .67503664 | .92096145 |
| PSSOME | -.93390506 | 1.0395803 |
| PSMS | -.88182049 | .95604672 |
| FKW | .12484931 | .21193403E-01 |
| FKWHS | -.11682445E-01 | .30821468E-01 |
| FKWSOME | .62916784E-03 | .32261176E-01 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.34239154 | .50395586 |
| ENTAGE | -.51860589E-01 | .66469058E-01 |
| OCCUP | .12557950 | .13606713 |
| NOOCCUP | .77836392 | 1.1985638 |
| INCOME | .81360940E-04 | .95661339E-04 |
| NOINC | -1.5613060 | 1.3397243 |
| ETH2 | -2.4077496 | .80199973 |
| ETH1 | 1.8889475 | .64566824 |
| LANG | 1.4766094 | 1.5043383 |
| PSSOME | -.26807605 | 1.6980954 |
| PSMS | 1.9038735 | 1.5616481 |
| FKW | .20674396 | .34618222E-01 |
| FKWHS | -.90420460E-01 | .50345119E-01 |
| FKWSOME | -.18406571E-01 | .52696800E-01 |

Table C7-IIIK(PS)-26

# TREATMENT REGRESSION COEFFICIENTS AND STANDARD ERRORS BY OUTCOME FOR HEAD START STUDIES OF COHORT III-K SITES IN THE COGNITIVE CURRICULUM MODEL

| | New York, NY | | Okaloosa Co., FL | | Greeley, CO | | Seattle, WA | | Chicago, IL | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local |
| **Word Knowledge** | | | | | | | | | | |
| b | -3.09* | -2.61 | -2.61 | -5.14 | 2.59 | 2.91 | -4.21* | -3.67 | -6.80** | -7.08** |
| Standard Error | 1.35 | 1.99 | 1.44 | 2.73 | 2.41 | 3.46 | 1.70 | 2.69 | .99 | 2.33 |
| **Spelling** | | | | | | | | | | |
| b | -.57 | -1.01 | -.28 | -5.86 | 5.96 | 6.34 | -4.27* | -3.26 | -11.61** | -8.54** |
| Standard Error | 1.60 | 2.45 | 1.57 | 3.37 | 3.08 | 4.27 | 2.04 | 3.31 | 1.43 | 2.87 |
| **Language** | | | | | | | | | | |
| b | -5.38** | -4.98** | -3.33** | -4.99** | 3.49** | 3.71 | -2.47** | -2.96 | -.52 | -1.72 |
| Standard Error | .65 | 1.41 | .68 | 1.93 | 1.63 | 2.45 | 1.15 | 1.90 | .97 | 1.64 |
| **Math Computations** | | | | | | | | | | |
| b | -.73 | -1.11 | -.48 | -2.24 | .23 | .25 | 1.97 | 1.63 | -5.37** | -3.31 |
| Standard Error | .91 | 1.47 | .83 | 2.02 | 1.38 | 2.56 | 1.33 | 1.99 | 1.05 | 1.72 |
| **Raven's** | | | | | | | | | | |
| b | -1.78** | -.94 | -1.94** | .04 | .59 | .63 | 1.06 | .58 | .73 | .33 |
| Standard Error | .64 | .89 | .63 | 1.22 | .78 | 1.55 | .78 | 1.20 | .74 | 1.04 |
| **Reading** | | | | | | | | | | |
| b | -3.20** | -3.03 | .02 | -1.83 | 4.06* | 3.28 | -2.17 | -1.91 | -3.85** | -3.04 |
| Standard Error | .86 | 1.44 | .87 | 1.97 | 1.73 | 2.50 | 1.12 | 1.94 | .84 | 1.68 |
| **Math Concepts** | | | | | | | | | | |
| b | -1.27 | -1.60 | -2.04* | -3.67 | 1.57 | 2.35 | -.39 | -.42 | -6.01** | -3.74* |
| Standard Error | 1.01 | 1.39 | .87 | 1.91 | 1.38 | 2.42 | 1.32 | 1.88 | 1.05 | 1.62 |
| **Math Problem Solving** | | | | | | | | | | |
| b | -.74 | -.75 | .42 | -2.19 | 2.76 | 3.01 | .04 | -.19 | -3.21** | -1.46 |
| Standard Error | .89 | 1.21 | .68 | 1.67 | 1.48 | 2.11 | .99 | 1.64 | .79 | 1.42 |
| **Coopersmith** | | | | | | | | | | |
| b | .15 | -.60 | -5.78** | -2.83 | 1.73 | 2.27 | -3.22** | -3.31 | -1.27 | -.98 |
| Standard Error | .93 | 1.57 | 1.47 | 2.16 | 1.81 | 2.73 | 1.13 | 2.12 | 1.15 | 1.84 |
| **IARS(-)** | | | | | | | | | | |
| b | -.08 | .17 | -.45 | -.92 | -.03 | .47 | -1.12* | -1.56* | -.98 | -1.00 |
| Standard Error | .36 | .58 | .46 | .79 | .51 | 1.01 | .49 | .78 | .52 | .68 |
| **IARS(+)** | | | | | | | | | | |
| b | -.43 | -.44 | -.37 | -.83 | .59 | .51 | .53 | .38 | .66 | .87 |
| Standard Error | .43 | .55 | .56 | .76 | .50 | .96 | .47 | .75 | .44 | .65 |
| **Total Reading** | | | | | | | | | | |
| b | -6.28** | -5.64 | -2.59 | -6.98 | 6.64 | 6.19 | -6.38* | -5.57 | -10.65** | -10.12** |
| Standard Error | 2.06 | 3.19 | 2.08 | 4.38 | 3.98 | 5.55 | 2.65 | 4.31 | 1.67 | 3.73 |
| **Total Math** | | | | | | | | | | |
| b | -2.75 | -3.46 | -2.10 | -8.10 | 4.56 | 5.62 | 1.62 | 1.02 | -14.59** | -8.51* |
| Standard Error | 2.53 | 3.60 | 2.00 | 4.95 | 3.60 | 6.26 | 3.46 | 4.87 | 2.66 | 4.21 |
| **Language Part A** | | | | | | | | | | |
| b | -1.28** | -1.18 | -.54 | -1.23 | 1.17 | 1.24 | -.09 | .17 | -.34 | -.14 |
| Standard Error | .41 | .66 | .41 | .90 | .74 | 1.15 | .52 | .89 | .47 | .77 |
| **Language Part B** | | | | | | | | | | |
| b | -4.10** | -3.81** | -.78** | -3.76* | 2.33 | 2.48 | -2.38** | -3.13* | -.18 | -1.58 |
| Standard Error | .56 | 1.08 | .53 | 1.48 | 1.30 | 1.87 | .84 | 1.45 | .64 | 1.26 |

* p < .05

** p < .01

## Table C7-IIIK(PS)-27

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR COGNITIVE CURRICULUM MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 102 | 44 | 31 | 177 | 87 | 88 | 162 | 337 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 28.05 | 30.89 | 24.48 | 28.13 | 31.40 | 32.68 | 26.58 | 29.42 |
| STANDARD DEVIATION | 11.82 | 11.46 | 12.54 | 11.97 | 11.40 | 12.67 | 11.93 | 12.28 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.47 | 13.78 | 13.70 | 13.58 | 13.62 | 14.35 | 14.40 | 14.15 |
| STANDARD DEVIATION | 1.75 | 1.96 | 1.78 | 1.80 | 1.77 | 2.13 | 2.05 | 2.01 |
| NUMBER | 91 | 36 | 20 | 147 | 64 | 49 | 95 | 208 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4339.72 | 4724.19 | 4384.90 | 4440.58 | 5249.14 | 6052.75 | 5558.60 | 5585.64 |
| STANDARD DEVIATION | 2616.49 | 2784.76 | 2743.63 | 2662.21 | 2643.92 | 3010.54 | 2767.13 | 2794.53 |
| MEDIAN | 3712.50 | 4333.33 | 3249.75 | 3750.25 | 4950.25 | 5650.25 | 5049.75 | 5110.45 |
| NUMBER | 93 | 37 | 20 | 150 | 63 | 51 | 97 | 211 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 6.45 | 13.51 | 10.00 | 8.67 | 6.35 | 19.61 | 16.49 | 14.22 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 6.86 | 4.55 | 19.35 | 8.47 | 5.75 | 12.50 | 24.69 | 16.62 |
| PERCENT BLACK | 83.33 | 81.82 | 61.29 | 79.10 | 71.26 | 79.55 | 71.60 | 73.59 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 50.00 | 38.64 | 58.06 | 48.59 | 43.68 | 56.82 | 54.94 | 52.52 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 64.43 | 64.61 | 64.31 | 64.46 | 64.20 | 64.03 | 62.95 | 63.56 |
| STANDARD DEVIATION | 4.53 | 3.52 | 3.61 | 4.13 | 4.10 | 4.32 | 3.45 | 3.89 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 95.10 | 95.45 | 96.77 | 95.48 | 89.66 | 96.59 | 95.06 | 94.07 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.32 | 11.91 | 11.17 | 11.45 | 10.59 | 11.74 | 11.26 | 11.18 |
| STANDARD DEVIATION | 2.63 | 2.92 | 2.45 | 2.68 | 2.75 | 2.42 | 2.64 | 2.64 |
| NUMBER | 88 | 38 | 18 | 144 | 60 | 50 | 96 | 206 |
| PERCENT HS GRAD | 38.64 | 71.05 | 44.44 | 47.92 | 30.00 | 42.00 | 42.71 | 38.84 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 44.09 | 47.37 | 25.00 | 42.38 | 36.36 | 32.08 | 34.00 | 34.25 |
| NUMBER | 93 | 38 | 20 | 151 | 66 | 53 | 100 | 219 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 57.63 | 100.00 | 0.00 | 0.00 | 25.82 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 24.86 | 0.00 | 100.00 | 0.00 | 26.11 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 17.51 | 0.00 | 0.00 | 100.00 | 48.07 |

## Table C7-IIIK(PS)-28

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR COGNITIVE CURRICULUM MODEL IN NEW YORK, NY

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 13 | 25 | 6 | 44 | 37 | 43 | 73 | 153 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 32.54 | 34.44 | 22.83 | 32.30 | 31.32 | 34.28 | 27.11 | 30.14 |
| STANDARD DEVIATION | 14.19 | 9.93 | 11.81 | 11.94 | 11.78 | 13.19 | 11.87 | 12.54 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 15.22 | 13.58 | 15.00 | 14.22 | 13.28 | 14.38 | 14.80 | 14.05 |
| STANDARD DEVIATION | 2.68 | 1.74 | 2.00 | 2.15 | 1.71 | 2.39 | 1.86 | 1.99 |
| NUMBER | 9 | 19 | 4 | 32 | 18 | 8 | 15 | 41 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 7088.56 | 4720.95 | 2925.00 | 5162.34 | 5811.76 | 7016.33 | 6024.75 | 6091.29 |
| STANDARD DEVIATION | 3011.88 | 2143.34 | 850.00 | 2630.75 | 1775.49 | 2590.61 | 2977.47 | 2351.65 |
| MEDIAN | 8000.00 | 4400.00 | 2783.33 | 4433.33 | 5700.00 | 5300.00 | 6200.00 | 5766.33 |
| NUMBER | 9 | 19 | 4 | 32 | 17 | 6 | 12 | 35 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 33.33 | 10.53 | 0.00 | 15.63 | 0.00 | 33.33 | 25.00 | 14.29 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.33 | 2.74 | 1.96 |
| PERCENT BLACK | 100.00 | 100.00 | 100.00 | 100.00 | 72.97 | 90.70 | 90.41 | 86.27 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 76.92 | 48.00 | 83.33 | 61.36 | 45.95 | 55.81 | 47.95 | 49.67 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.63 | 64.26 | 63.41 | 63.96 | 62.51 | 64.05 | 62.61 | 62.99 |
| STANDARD DEVIATION | 4.06 | 3.55 | 2.65 | 3.55 | 3.64 | 3.92 | 3.39 | 3.64 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 75.68 | 95.35 | 90.41 | 88.24 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.49 | 12.44 | 11.98 | 12.42 | 10.59 | 11.41 | 9.83 | 10.48 |
| STANDARD DEVIATION | .95 | 1.59 | 1.45 | 1.40 | 2.32 | 3.52 | 3.66 | 3.06 |
| NUMBER | 8 | 20 | 2 | 30 | 19 | 8 | 15 | 42 |
| PERCENT HS GRAD | 75.00 | 70.00 | 50.00 | 70.00 | 26.32 | 50.00 | 26.67 | 30.95 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 33.33 | 50.00 | 25.00 | 42.42 | 47.37 | 0.00 | 26.67 | 30.95 |
| NUMBER | 9 | 20 | 4 | 33 | 19 | 8 | 15 | 42 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 29.55 | 100.00 | 0.00 | 0.00 | 24.18 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 56.82 | 0.00 | 100.00 | 0.00 | 28.10 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 13.64 | 0.00 | 0.00 | 100.00 | 47.71 |

Table C7-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR COGNITIVE CURRICULUN MODEL IN OKALOOSA CO., FL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 29 | 2 | 6 | 37 | 7 | 9 | 38 | 54 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 18.69 | 7.50 | 17.67 | 17.92 | 22.71 | 26.67 | 25.29 | 25.19 |
| STANDARD DEVIATION | 6.06 | 9.19 | 10.75 | 7.31 | 7.59 | 12.50 | 10.60 | 10.47 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 12.96 | 12.00 | 13.00 | 12.91 | 13.14 | 15.00 | 14.86 | 14.66 |
| STANDARD DEVIATION | 1.45 | 0.00 | 1.55 | 1.42 | .90 | 2.12 | 2.08 | 2.04 |
| NUMBER | 27 | 2 | 6 | 35 | 7 | 9 | 37 | 53 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 3892.56 | 4100.00 | 2933.33 | 3739.97 | 3800.00 | 6888.67 | 5616.05 | 5592.30 |
| STANDARD DEVIATION | 2010.04 | 2262.74 | 1295.63 | 1904.73 | 2864.73 | 3065.46 | 2826.35 | 2940.52 |
| MEDIAN | 3775.00 | 4100.00 | 2750.00 | 3275.00 | 2675.00 | 8650.00 | 5074.62 | 5079.60 |
| NUMBER | 27 | 2 | 6 | 35 | 7 | 9 | 37 | 53 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 3.70 | 0.00 | 0.00 | 2.86 | 0.00 | 22.22 | 16.22 | 15.09 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 3.45 | 0.00 | 16.67 | 5.41 | 42.86 | 77.78 | 84.21 | 77.78 |
| PERCENT BLACK | 96.55 | 100.00 | 83.33 | 94.59 | 57.14 | 22.22 | 15.79 | 22.22 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 62.07 | 0.00 | 16.67 | 51.35 | 42.86 | 77.78 | 52.63 | 55.56 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.39 | 62.68 | 64.53 | 63.54 | 64.57 | 62.72 | 63.40 | 63.44 |
| STANDARD DEVIATION | 4.41 | 3.82 | 1.32 | 4.00 | 3.36 | 4.64 | 3.38 | 3.57 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 10.92 | 13.00 | 11.13 | 11.09 | 10.32 | 11.53 | 11.70 | 11.49 |
| STANDARD DEVIATION | 2.70 | 0.00 | 1.85 | 2.50 | 2.74 | 1.69 | 2.27 | 2.25 |
| NUMBER | 25 | 2 | 6 | 33 | 7 | 9 | 36 | 52 |
| PERCENT HS GRAD | 28.00 | 100.00 | 33.33 | 33.33 | 28.57 | 44.44 | 58.33 | 51.92 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 29.63 | 50.00 | 16.67 | 28.57 | 14.29 | 0.00 | 5.41 | 5.66 |
| NUMBER | 27 | 2 | 6 | 35 | 7 | 9 | 37 | 53 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 78.38 | 100.00 | 0.00 | 0.00 | 12.96 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 5.41 | 0.00 | 100.00 | 0.00 | 16.67 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 16.22 | 0.00 | 0.00 | 100.00 | 70.37 |

## Table C7-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR COGNITIVE CURRICULUM MODEL IN GREELEY, CO

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 10 | 6 | 4 | 20 | 12 | 3 | 3 | 18 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 32.00 | 32.50 | 28.25 | 31.40 | 32.58 | 24.00 | 39.33 | 32.28 |
| STANDARD DEVIATION | 8.98 | 11.18 | 15.54 | 10.58 | 13.00 | 11.27 | 16.07 | 13.25 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 12.70 | 14.17 | 13.75 | 13.35 | 14.33 | 12.33 | 13.00 | 13.82 |
| STANDARD DEVIATION | .95 | 1.47 | 1.50 | 1.35 | 2.23 | 1.53 | 0.00 | 2.10 |
| NUMBER | 10 | 6 | 4 | 20 | 12 | 3 | 2 | 17 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4360.00 | 5366.50 | 8099.75 | 5409.90 | 4900.00 | 6299.67 | 8699.50 | 5594.00 |
| STANDARD DEVIATION | 2402.87 | 3927.44 | 2265.41 | 3115.83 | 2157.86 | 3438.94 | 1837.77 | 2559.44 |
| MEDIAN | 3800.00 | 2250.00 | 7499.50 | 4799.50 | 4700.00 | 5700.00 | 8699.50 | 5625.00 |
| NUMBER | 10 | 6 | 4 | 20 | 12 | 3 | 2 | 17 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 16.67 | 25.00 | 10.00 | 0.00 | 33.33 | 50.00 | 11.76 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 20.00 | 16.67 | 50.00 | 25.00 | 16.67 | 0.00 | 66.67 | 22.22 |
| PERCENT BLACK | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.33 | 0.00 | 5.56 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 40.00 | 0.00 | 25.00 | 25.00 | 33.33 | 33.33 | 33.33 | 33.33 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 67.63 | 67.47 | 66.51 | 67.36 | 67.28 | 67.78 | 70.64 | 67.92 |
| STANDARD DEVIATION | 3.76 | 3.66 | 4.00 | 3.60 | 3.87 | 5.88 | 2.27 | 3.99 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 50.00 | 66.67 | 75.00 | 60.00 | 100.00 | 66.67 | 66.67 | 88.89 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 8.76 | 8.15 | 10.60 | 8.94 | 9.69 | 10.95 | 13.00 | 10.10 |
| STANDARD DEVIATION | 3.76 | 5.11 | 3.57 | 4.04 | 3.25 | 0.00 | 0.00 | 3.01 |
| NUMBER | 10 | 6 | 4 | 20 | 11 | 2 | 1 | 14 |
| PERCENT HS GRAD | 10.00 | 33.33 | 50.00 | 25.00 | 9.09 | 0.00 | 100.00 | 14.29 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 30.00 | 0.00 | 0.00 | 15.00 | 8.33 | 0.00 | 0.00 | 5.88 |
| NUMBER | 10 | 6 | 4 | 20 | 12 | 3 | 2 | 17 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 50.00 | 100.00 | 0.00 | 0.00 | 66.67 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 30.00 | 0.00 | 100.00 | 0.00 | 16.67 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 20.00 | 0.00 | 0.00 | 100.00 | 16.67 |

Table C7-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR COGNITIVE CURRICULUM MODEL IN SEATTLE, WA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 19 | 11 | 15 | 45 | 7 | 10 | 6 | 23 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 29.26 | 26.18 | 26.87 | 27.71 | 34.86 | 39.60 | 30.00 | 35.65 |
| STANDARD DEVIATION | 12.82 | 9.52 | 12.76 | 11.90 | 8.51 | 11.35 | 18.02 | 12.74 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.16 | 14.33 | 13.50 | 13.53 | 14.14 | 16.10 | 14.33 | 15.04 |
| STANDARD DEVIATION | 1.80 | 2.69 | 1.97 | 2.09 | 1.77 | 2.23 | 2.66 | 2.33 |
| NUMBER | 19 | 9 | 6 | 34 | 7 | 10 | 6 | 23 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 2847.37 | 4469.80 | 4333.17 | 3565.63 | 7399.71 | 8249.60 | 6416.33 | 7512.70 |
| STANDARD DEVIATION | 1727.67 | 3501.41 | 2852.44 | 2579.67 | 3887.79 | 2011.38 | 3483.50 | 3018.93 |
| MEDIAN | 2142.86 | 2800.00 | 3500.00 | 2437.50 | 9750.25 | 9200.00 | 5900.00 | 9150.25 |
| NUMBER | 19 | 10 | 6 | 35 | 7 | 10 | 6 | 23 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 20.00 | 16.67 | 8.57 | 28.57 | 40.00 | 33.33 | 34.78 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 21.05 | 9.09 | 20.00 | 17.78 | 0.00 | 30.00 | 66.67 | 30.43 |
| PERCENT BLACK | 68.42 | 81.82 | 53.33 | 66.67 | 100.00 | 50.00 | 33.33 | 60.87 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 47.37 | 45.45 | 73.33 | 55.56 | 28.57 | 50.00 | 83.33 | 52.17 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 65.30 | 64.19 | 63.99 | 64.59 | 65.90 | 64.06 | 64.30 | 64.68 |
| STANDARD DEVIATION | 5.17 | 2.96 | 4.42 | 4.42 | 2.81 | 6.31 | 4.01 | 4.77 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.61 | 12.89 | 11.31 | 12.47 | 12.49 | 14.60 | 10.38 | 13.04 |
| STANDARD DEVIATION | 1.94 | 1.93 | 2.90 | 2.13 | 1.02 | 1.58 | 4.98 | 3.21 |
| NUMBER | 19 | 10 | 6 | 35 | 4 | 10 | 5 | 19 |
| PERCENT HS GRAD | 63.16 | 90.00 | 50.00 | 68.57 | 75.00 | 100,00 | 40.00 | 78.95 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 68.42 | 70.00 | 50.00 | 65.71 | 14.29 | 10.00 | 33.33 | 17.39 |
| NUMBER | 19 | 10 | 6 | 35 | 7 | 10 | 6 | 23 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 42.22 | 100.00 | 0.00 | 0.00 | 30.43 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 24.44 | 0.00 | 100.00 | 0.00 | 43.48 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 33.33 | 0.00 | 0.00 | 100.00 | 26.09 |

Table C7-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR COGNITIVE CURRICULUM MODEL IN CHICAGO, IL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 31 | 0 | 0 | 31 | 24 | 23 | 42 | 89 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 32.90 | 0.00 | 0.00 | 32.90 | 32.46 | 30.17 | 25.43 | 28.55 |
| STANDARD DEVIATION | 10.44 | 0.00 | 0.00 | 10.44 | 11.21 | 11.11 | 11.86 | 11.78 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.92 | 0.00 | 0.00 | 13.92 | 13.50 | 13.42 | 13.83 | 13.64 |
| STANDARD DEVIATION | 1.38 | 0.00 | 0.00 | 1.38 | 1.73 | 1.26 | 1.95 | 1.72 |
| NUMBER | 26 | 0 | 0 | 26 | 20 | 19 | 35 | 74 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4892.79 | 0.00 | 0.00 | 4892.79 | 4734.90 | 4486.91 | 5079.90 | 4832.45 |
| STANDARD DEVIATION | 2868.98 | 0.00 | 0.00 | 2868.98 | 2641.81 | 2760.72 | 2531.26 | 2602.88 |
| MEDIAN | 3800.00 | 0.00 | 0.00 | 3800.00 | 4499.50 | 3274.62 | 4700.00 | 4466.33 |
| NUMBER | 28 | 0 | 0 | 28 | 20 | 23 | 40 | 83 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 7.14 | 0.00 | 0.00 | 7.14 | 10.00 | 4.35 | 10.00 | 8.43 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT BLACK | 100.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 32.26 | 0.00 | 0.00 | 32.26 | 50.00 | 56.52 | 66.67 | 59.55 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 64.19 | 0.00 | 0.00 | 64.19 | 64.68 | 64.00 | 62.38 | 63.42 |
| STANDARD DEVIATION | 4.35 | 0.00 | 0.00 | 4.35 | 4.39 | 3.80 | 2.92 | 3.69 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.37 | 0.00 | 0.00 | 11.37 | 10.81 | 10.67 | 11.47 | 11.10 |
| STANDARD DEVIATION | 2.13 | 0.00 | 0.00 | 2.13 | 3.07 | 1.53 | 1.99 | 2.20 |
| NUMBER | 26 | 0 | 0 | 26 | 19 | 21 | 39 | 79 |
| PERCENT HS GRAD | 30.77 | 0.00 | 0.00 | 30.77 | 36.84 | 14.29 | 33.33 | 29.11 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 50.00 | 0.00 | 0.00 | 50.00 | 57.14 | 69.57 | 65.00 | 64.29 |
| NUMBER | 28 | 0 | 0 | 28 | 21 | 23 | 40 | 84 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 100.00 | 100.00 | 0.00 | 0.00 | 26.97 |
| PERCENT SOME PRESCHOOL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | 25.84 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 47.19 |

## Table C7-IIIK(PS)-29

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR COGNITIVE CURRICULUM MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 102 | 44 | 31 | 177 | 87 | 88 | 162 | 337 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 18.66 | 22.30 | 20.68 | 19.92 | 23.69 | 25.72 | 24.99 | 24.85 |
| STANDARD DEVIATION | 10.47 | 11.37 | 11.59 | 10.94 | 10.18 | 11.12 | 11.02 | 10.83 |
| SPELLING | | | | | | | | |
| MEAN | 12.99 | 18.57 | 15.23 | 14.77 | 19.33 | 19.73 | 20.02 | 19.77 |
| STANDARD DEVIATION | 12.53 | 12.55 | 12.98 | 12.76 | 12.81 | 12.40 | 13.51 | 13.01 |
| LANGUAGE | | | | | | | | |
| MEAN | 12.59 | 12.86 | 15.61 | 13.19 | 16.06 | 17.16 | 17.26 | 16.92 |
| STANDARD DEVIATION | 5.39 | 6.11 | 8.20 | 6.21 | 7.17 | 8.13 | 8.41 | 8.03 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 14.47 | 15.66 | 17.52 | 15.30 | 17.23 | 17.44 | 17.87 | 17.59 |
| STANDARD DEVIATION | 6.18 | 6.17 | 8.67 | 6.73 | 7.56 | 7.86 | 7.01 | 7.37 |
| RAVENS | | | | | | | | |
| MEAN | 17.47 | 16.36 | 18.61 | 17.40 | 17.78 | 17.95 | 17.51 | 17.69 |
| STANDARD DEVIATION | 4.68 | 4.87 | 4.84 | 4.78 | 4.74 | 4.37 | 4.52 | 4.53 |
| READING | | | | | | | | |
| MEAN | 14.94 | 17.59 | 16.97 | 15.95 | 17.76 | 19.98 | 19.01 | 18.94 |
| STANDARD DEVIATION | 6.56 | 7.23 | 7.40 | 6.95 | 7.21 | 7.83 | 7.84 | 7.70 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 13.22 | 14.68 | 16.52 | 14.16 | 15.94 | 16.97 | 16.99 | 16.71 |
| STANDARD DEVIATION | 6.68 | 6.68 | 9.11 | 7.23 | 6.33 | 7.65 | 7.18 | 7.09 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 10.68 | 11.98 | 12.84 | 11.38 | 12.25 | 13.20 | 13.66 | 13.18 |
| STANDARD DEVIATION | 5.16 | 5.56 | 6.91 | 5.63 | 5.83 | 6.76 | 6.23 | 6.28 |
| COOPERSMITH | | | | | | | | |
| MEAN | 33.25 | 36.57 | 36.61 | 34.66 | 36.01 | 36.61 | 36.38 | 36.34 |
| STANDARD DEVIATION | 7.37 | 6.40 | 7.42 | 7.30 | 6.10 | 8.10 | 7.19 | 7.16 |
| IARS(-) | | | | | | | | |
| MEAN | 9.47 | 10.25 | 10.19 | 9.79 | 10.48 | 10.64 | 10.44 | 10.50 |
| STANDARD DEVIATION | 2.95 | 3.20 | 2.65 | 2.97 | 2.68 | 2.15 | 2.63 | 2.52 |
| IARS(+) | | | | | | | | |
| MEAN | 12.77 | 12.91 | 12.84 | 12.82 | 13.03 | 13.20 | 13.17 | 13.14 |
| STANDARD DEVIATION | 2.56 | 3.23 | 3.39 | 2.87 | 2.52 | 2.64 | 2.13 | 2.37 |
| TOTAL READING | | | | | | | | |
| MEAN | 33.60 | 39.89 | 37.65 | 35.87 | 41.45 | 45.69 | 44.01 | 43.79 |
| STANDARD DEVIATION | 15.98 | 17.95 | 18.40 | 17.05 | 16.51 | 17.95 | 18.14 | 17.70 |
| TOTAL MATH | | | | | | | | |
| MEAN | 38.36 | 42.32 | 46.87 | 40.84 | 45.43 | 47.61 | 48.52 | 47.48 |
| STANDARD DEVIATION | 16.27 | 16.69 | 23.52 | 18.02 | 17.74 | 20.40 | 18.40 | 18.77 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.08 | 6.55 | 8.23 | 6.57 | 6.92 | 7.69 | 7.76 | 7.53 |
| STANDARD DEVIATION | 3.11 | 3.41 | 3.38 | 3.31 | 3.31 | 3.17 | 3.36 | 3.31 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 6.51 | 6.32 | 7.39 | 6.62 | 9.14 | 9.47 | 9.50 | 9.40 |
| STANDARD DEVIATION | 3.43 | 4.01 | 6.44 | 4.23 | 5.23 | 6.06 | 6.21 | 5.92 |

## Table C7-IIIK(PS)-30

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR COGNITIVE CURRICULUM MODEL IN NEW YORK, NY

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 13 | 25 | 6 | 44 | 37 | 43 | 73 | 153 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 27.62 | 24.24 | 15.17 | 24.00 | 26.24 | 27.33 | 26.63 | 26.73 |
| STANDARD DEVIATION | 9.19 | 10.40 | 4.40 | 10.05 | 10.87 | 10.21 | 10.50 | 10.45 |
| SPELLING | | | | | | | | |
| MEAN | 26.23 | 22.44 | 15.33 | 22.59 | 22.24 | 22.72 | 24.26 | 23.34 |
| STANDARD DEVIATION | 10.22 | 10.93 | 8.41 | 10.75 | 13.27 | 12.12 | 12.34 | 12.46 |
| LANGUAGE | | | | | | | | |
| MEAN | 12.15 | 12.44 | 11.00 | 12.16 | 18.54 | 17.37 | 16.12 | 17.06 |
| STANDARD DEVIATION | 4.28 | 4.67 | 1.55 | 4.22 | 7.84 | 8.01 | 7.19 | 7.60 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 17.69 | 17.24 | 14.17 | 16.95 | 18.27 | 18.70 | 18.89 | 18.69 |
| STANDARD DEVIATION | 6.05 | 5.44 | 6.62 | 5.75 | 7.94 | 8.20 | 7.01 | 7.54 |
| RAVENS | | | | | | | | |
| MEAN | 16.46 | 15.80 | 13.00 | 15.61 | 18.32 | 17.81 | 16.59 | 17.35 |
| STANDARD DEVIATION | 4.20 | 4.76 | 3.16 | 4.46 | 5.17 | 4.35 | 4.12 | 4.49 |
| READING | | | | | | | | |
| MEAN | 18.23 | 18.12 | 13.17 | 17.48 | 19.14 | 21.21 | 20.11 | 20.18 |
| STANDARD DEVIATION | 7.32 | 6.27 | 4.22 | 6.48 | 7.41 | 7.87 | 7.36 | 7.51 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 16.23 | 15.16 | 12.00 | 15.05 | 15.62 | 17.40 | 17.53 | 17.03 |
| STANDARD DEVIATION | 6.71 | 7.17 | 4.10 | 6.71 | 7.18 | 7.32 | 6.50 | 6.90 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 12.38 | 12.60 | 9.67 | 12.14 | 12.54 | 13.77 | 13.64 | 13.41 |
| STANDARD DEVIATION | 7.33 | 5.28 | 6.02 | 5.98 | 6.26 | 6.35 | 5.79 | 6.04 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.62 | 37.68 | 36.17 | 37.16 | 37.24 | 37.16 | 37.41 | 37.30 |
| STANDARD DEVIATION | 5.55 | 5.57 | 6.18 | 5.54 | 6.22 | 7.80 | 7.02 | 7.03 |
| IARS(-) | | | | | | | | |
| MEAN | 11.08 | 10.76 | 11.17 | 10.91 | 11.24 | 11.12 | 11.26 | 11.22 |
| STANDARD DEVIATION | 2.14 | 2.52 | 2.40 | 2.35 | 2.78 | 2.08 | 2.51 | 2.45 |
| IARS(+) | | | | | | | | |
| MEAN | 12.54 | 13.[illegible]8 | 14.33 | 13.32 | 13.57 | 13.93 | 13.63 | 13.70 |
| STANDARD DEVIATION | 2.40 | 3.18 | 1.21 | 2.79 | 2.13 | 2.18 | 1.83 | 2.00 |
| TOTAL READING | | | | | | | | |
| MEAN | 45.85 | 42.36 | 28.33 | 41.48 | 45.38 | 48.53 | 46.74 | 46.91 |
| STANDARD DEVIATION | 15.18 | 16.03 | 7.12 | 15.62 | 17.48 | 17.24 | 17.24 | 17.22 |
| TOTAL MATH | | | | | | | | |
| MEAN | 46.31 | 45.00 | 35.83 | 44.14 | 46.43 | 49.86 | 50.07 | 49.13 |
| STANDARD DEVIATION | 18.62 | 15.97 | 14.27 | 16.56 | 19.56 | 19.88 | 16.82 | 18.33 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.85 | 6.88 | 6.50 | 6.82 | 7.73 | 8.12 | 8.03 | 7.98 |
| STANDARD DEVIATION | 3.31 | 3.09 | 3.02 | 3.07 | 3.52 | 3.36 | 3.26 | 3.33 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 5.31 | 5.56 | 4.50 | 5.34 | 10.81 | 9.26 | 8.10 | 9.08 |
| STANDARD DEVIATION | 2.43 | 3.32 | 2.66 | 2.96 | 5.84 | 6.05 | 5.08 | 5.62 |

Table C7-IIIK(PS)-30 (cont.)

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR COGNITIVE CURRICULUM MODEL IN OKALOOSA CO., FL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 29 | 2 | 6 | 37 | 7 | 9 | 38 | 54 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 15.66 | 9.50 | 17.17 | 15.57 | 20.57 | 28.67 | 26.95 | 26.41 |
| STANDARD DEVIATION | 9.93 | .71 | 16.47 | 10.81 | 10.36 | 10.86 | 10.71 | 10.75 |
| SPELLING | | | | | | | | |
| MEAN | 9.34 | 0.00 | 10.17 | 8.97 | 12.86 | 21.33 | 18.42 | 18.19 |
| STANDARD DEVIATION | 11.06 | 0.00 | 15.05 | 11.46 | 12.72 | 10.02 | 12.59 | 12.23 |
| LANGUAGE | | | | | | | | |
| MEAN | 12.03 | 7.50 | 13.50 | 12.03 | 17.00 | 21.22 | 22.39 | 21.50 |
| STANDARD DEVIATION | 5.37 | 3.54 | 5.47 | 5.33 | 5.00 | 6.18 | 8.99 | 8.26 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 14.76 | 7.50 | 15.17 | 14.43 | 17.14 | 19.33 | 19.50 | 19.17 |
| STANDARD DEVIATION | 5.03 | 6.36 | 7.57 | 5.62 | 5.52 | 5.96 | 7.22 | 6.77 |
| RAVENS | | | | | | | | |
| MEAN | 16.45 | 14.00 | 18.00 | 16.57 | 19.29 | 19.22 | 20.03 | 19.80 |
| STANDARD DEVIATION | 4.37 | 2.83 | 4.86 | 4.37 | 4.42 | 3.90 | 4.32 | 4.20 |
| READING | | | | | | | | |
| MEAN | 14.66 | 11.00 | 14.17 | 14.38 | 16.43 | 22.89 | 20.42 | 20.31 |
| STANDARD DEVIATION | 5.30 | 2.83 | 8.89 | 5.81 | 9.66 | 7.90 | 8.59 | 8.64 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 11.93 | 9.00 | 13.67 | 12.05 | 16.29 | 19.11 | 19.55 | 19.06 |
| STANDARD DEVIATION | 5.53 | 4.24 | 7.31 | 5.72 | 3.20 | 5.80 | 7.25 | 6.64 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 9.59 | 5.50 | 9.67 | 9.38 | 10.86 | 14.56 | 16.16 | 15.20 |
| STANDARD DEVIATION | 3.54 | .71 | 5.78 | 3.91 | 4.67 | 5.75 | 6.83 | 6.58 |
| COOPERSMITH | | | | | | | | |
| MEAN | 30.14 | 32.00 | 33.50 | 30.78 | 38.00 | 34.22 | 34.58 | 34.96 |
| STANDARD DEVIATION | 8.93 | 11.31 | 9.79 | 8.97 | 4.69 | 7.68 | 8.23 | 7.75 |
| IARS(-) | | | | | | | | |
| MEAN | 9.45 | 10.00 | 8.33 | 9.30 | 10.00 | 10.44 | 10.08 | 10.13 |
| STANDARD DEVIATION | 2.87 | 1.41 | 2.80 | 2.79 | 2.58 | 1.88 | 2.39 | 2.30 |
| IARS(+) | | | | | | | | |
| MEAN | 12.00 | 11.50 | 10.17 | 11.68 | 12.43 | 12.78 | 13.68 | 13.37 |
| STANDARD DEVIATION | 2.98 | 3.54 | 4.92 | 3.33 | 2.94 | 1.79 | 1.65 | 1.90 |
| TOTAL READING | | | | | | | | |
| MEAN | 30.31 | 20.50 | 31.33 | 29.95 | 37.00 | 51.56 | 47.37 | 46.72 |
| STANDARD DEVIATION | 14.02 | 3.54 | 24.84 | 15.63 | 19.68 | 16.53 | 18.34 | 18.35 |
| TOTAL MATH | | | | | | | | |
| MEAN | 36.28 | 22.00 | 36.50 | 35.86 | 44.29 | 53.00 | 55.21 | 53.43 |
| STANDARD DEVIATION | 12.31 | 11.31 | 19.96 | 13.74 | 11.25 | 15.35 | 19.54 | 18.16 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 5.14 | 3.50 | 8.00 | 5.51 | 6.29 | 8.56 | 9.11 | 8.65 |
| STANDARD DEVIATION | 3.16 | 2.12 | 2.83 | 3.22 | 1.60 | 2.19 | 2.62 | 2.59 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 6.90 | 4.00 | 5.50 | 6.51 | 10.71 | 12.67 | 13.29 | 12.85 |
| STANDARD DEVIATION | 3.31 | 1.41 | 3.15 | 3.25 | 3.77 | 4.97 | 7.55 | 6.78 |

Table C7-IIIK(PS)-30 (cont.)

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR COGNITIVE CURRICULUM MODEL IN GREELEY, CO

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 10 | 6 | 4 | 20 | 12 | 3 | 3 | 18 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 27.80 | 25.33 | 25.00 | 26.50 | 23.83 | 17.33 | 31.33 | 24.00 |
| STANDARD DEVIATION | 9.45 | 11.47 | 11.92 | 10.06 | 9.93 | 8.50 | 11.02 | 10.19 |
| SPELLING | | | | | | | | |
| MEAN | 19.20 | 21.33 | 18.25 | 19.65 | 14.92 | 5.00 | 24.00 | 14.78 |
| STANDARD DEVIATION | 11.37 | 14.05 | 13.50 | 11.97 | 12.47 | 4.36 | 7.00 | 11.85 |
| LANGUAGE | | | | | | | | |
| MEAN | 15.70 | 18.50 | 18.25 | 17.05 | 14.58 | 10.33 | 14.67 | 13.89 |
| STANDARD DEVIATION | 6.63 | 9.81 | 10.78 | 8.15 | 6.36 | 3.79 | 8.33 | 6.22 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 16.90 | 16.50 | 20.50 | 17.50 | 17.50 | 12.00 | 21.00 | 17.17 |
| STANDARD DEVIATION | 6.64 | 7.34 | 5.00 | 6.44 | 7.43 | 1.73 | 2.65 | 6.65 |
| RAVENS | | | | | | | | |
| MEAN | 20.50 | 20.67 | 20.00 | 20.45 | 19.67 | 18.00 | 21.67 | 19.72 |
| STANDARD DEVIATION | 3.98 | 1.86 | 4.08 | 3.33 | 4.19 | 2.00 | 3.51 | 3.80 |
| READING | | | | | | | | |
| MEAN | 21.70 | 21.67 | 21.00 | 21.55 | 18.17 | 14.67 | 22.33 | 18.28 |
| STANDARD DEVIATION | 8.29 | 9.03 | 9.20 | 8.21 | 9.26 | 2.31 | 10.97 | 8.69 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 17.10 | 16.67 | 21.50 | 17.85 | 16.33 | 14.67 | 17.67 | 16.28 |
| STANDARD DEVIATION | 7.17 | 5.68 | 8.54 | 6.92 | 7.55 | 2.31 | 12.42 | 7.51 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 14.20 | 16.00 | 17.25 | 15.35 | 12.25 | 7.00 | 18.33 | 12.39 |
| STANDARD DEVIATION | 7.77 | 7.77 | 8.42 | 7.57 | 7.07 | 2.65 | 6.51 | 7.04 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.10 | 31.83 | 39.25 | 34.45 | 29.92 | 37.33 | 35.00 | 32.00 |
| STANDARD DEVIATION | 6.42 | 7.99 | 5.62 | 6.95 | 6.01 | 11.02 | 7.94 | 7.40 |
| IARS(-) | | | | | | | | |
| MEAN | 11.40 | 11.50 | 11.50 | 11.45 | 11.17 | 11.67 | 10.33 | 11.11 |
| STANDARD DEVIATION | 2.84 | 1.38 | .58 | 2.09 | 2.25 | .58 | 2.31 | 2.03 |
| IARS(+) | | | | | | | | |
| MEAN | 13.30 | 13.67 | 13.75 | 13.50 | 13.92 | 12.00 | 12.33 | 13.33 |
| STANDARD DEVIATION | 1.70 | 1.97 | 2.63 | 1.88 | 2.02 | 4.36 | 2.52 | 2.52 |
| TOTAL READING | | | | | | | | |
| MEAN | 49.50 | 47.00 | 46.00 | 48.05 | 42.00 | 32.00 | 53.67 | 42.28 |
| STANDARD DEVIATION | 17.04 | 19.56 | 20.93 | 17.60 | 18.83 | 10.15 | 20.55 | 18.25 |
| TOTAL MATH | | | | | | | | |
| MEAN | 48.20 | 49.17 | 59.25 | 50.70 | 46.08 | 33.67 | 57.00 | 45.83 |
| STANDARD DEVIATION | 19.28 | 20.17 | 20.37 | 19.19 | 20.54 | 4.93 | 21.00 | 19.39 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 8.60 | 7.00 | 8.25 | 8.05 | 6.67 | 6.33 | 9.00 | 7.00 |
| STANDARD DEVIATION | 2.88 | 4.43 | 3.10 | 3.33 | 3.50 | 2.08 | 2.65 | 3.18 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 7.10 | 11.50 | 10.00 | 9.00 | 7.92 | 4.00 | 5.67 | 6.89 |
| STANDARD DEVIATION | 4.41 | 5.61 | 9.35 | 5.95 | 3.73 | 1.73 | 6.03 | 4.01 |

## Table C7-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR COGNITIVE CURRICULUM MODEL IN SEATTLE, WA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 19 | 11 | 15 | 45 | 7 | 10 | 6 | 23 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 20.84 | 18.55 | 23.13 | 21.04 | 25.86 | 31.90 | 30.33 | 29.65 |
| STANDARD DEVIATION | 11.03 | 12.94 | 11.10 | 11.41 | 9.69 | 13.23 | 11.18 | 11.52 |
| SPELLING | | | | | | | | |
| MEAN | 16.05 | 11.64 | 16.40 | 15.09 | 20.43 | 24.90 | 23.33 | 23.13 |
| STANDARD DEVIATION | 13.79 | 11.29 | 14.17 | 13.22 | 11.73 | 9.75 | 10.87 | 10.35 |
| LANGUAGE | | | | | | | | |
| MEAN | 13.11 | 11.73 | 17.60 | 14.27 | 17.29 | 23.00 | 20.17 | 20.52 |
| STANDARD DEVIATION | 5.81 | 5.64 | 9.51 | 7.47 | 7.99 | 11.94 | 10.80 | 10.41 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 14.53 | 13.09 | 19.00 | 15.67 | 11.14 | 20.00 | 17.00 | 16.52 |
| STANDARD DEVIATION | 7.10 | 5.87 | 10.36 | 8.28 | 5.96 | 9.63 | 4.20 | 8.15 |
| RAVENS | | | | | | | | |
| MEAN | 18.37 | 15.73 | 20.73 | 18.51 | 16.00 | 21.60 | 20.00 | 19.48 |
| STANDARD DEVIATION | 5.70 | 5.61 | 3.95 | 5.39 | 2.77 | 2.84 | 4.24 | 3.93 |
| READING | | | | | | | | |
| MEAN | 14.00 | 15.36 | 18.53 | 15.84 | 17.29 | 24.00 | 21.50 | 21.30 |
| STANDARD DEVIATION | 7.03 | 7.99 | 6.93 | 7.35 | 5.85 | 8.96 | 8.55 | 8.20 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 14.84 | 13.55 | 18.13 | 15.62 | 14.71 | 21.90 | 20.67 | 19.39 |
| STANDARD DEVIATION | 7.73 | 6.28 | 10.72 | 8.57 | 3.73 | 9.29 | 9.33 | 8.32 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 10.74 | 9.55 | 14.20 | 11.60 | 11.00 | 16.80 | 14.67 | 14.48 |
| STANDARD DEVIATION | 5.09 | 3.14 | 6.79 | 5.59 | 3.27 | 10.19 | 7.87 | 8.11 |
| COOPERSMITH | | | | | | | | |
| MEAN | 33.89 | 37.45 | 37.33 | 35.91 | 40.29 | 39.50 | 39.67 | 39.78 |
| STANDARD DEVIATION | 5.88 | 5.92 | 7.53 | 6.57 | 3.99 | 7.98 | 7.97 | 6.70 |
| IARS(-) | | | | | | | | |
| MEAN | 9.05 | 8.45 | 10.20 | 9.29 | 9.29 | 11.20 | 11.00 | 10.57 |
| STANDARD DEVIATION | 2.88 | 4.74 | 2.78 | 3.38 | 2.81 | 1.75 | 2.28 | 2.31 |
| IARS(+) | | | | | | | | |
| MEAN | 13.42 | 11.45 | 13.07 | 12.82 | 11.29 | 13.40 | 12.67 | 12.57 |
| STANDARD DEVIATION | 2.48 | 3.70 | 3.10 | 3.05 | 3.30 | 3.13 | 3.01 | 3.15 |
| TOTAL READING | | | | | | | | |
| MEAN | 34.84 | 33.91 | 41.67 | 36.89 | 43.14 | 55.90 | 51.83 | 50.96 |
| STANDARD DEVIATION | 17.04 | 20.39 | 17.37 | 17.92 | 14.40 | 21.05 | 19.45 | 18.83 |
| TOTAL MATH | | | | | | | | |
| MEAN | 40.11 | 36.18 | 51.33 | 42.89 | 36.86 | 58.70 | 52.33 | 50.39 |
| STANDARD DEVIATION | 18.19 | 14.14 | 27.10 | 21.29 | 7.90 | 28.25 | 20.46 | 23.01 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.53 | 6.09 | 9.00 | 7.24 | 7.29 | 8.80 | 8.83 | 8.35 |
| STANDARD DEVIATION | 3.26 | 3.78 | 3.80 | 3.71 | 3.95 | 3.82 | 3.54 | 3.69 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 6.58 | 5.64 | 8.60 | 7.02 | 10.00 | 14.20 | 11.33 | 12.17 |
| STANDARD DEVIATION | 3.88 | 2.77 | 7.44 | 5.19 | 5.86 | 8.35 | 7.55 | 7.38 |

## Table C7-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR COGNITIVE CURRICULUM MODEL IN CHICAGO, IL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 31 | 0 | 0 | 31 | 24 | 23 | 42 | 89 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 13.42 | 0.00 | 0.00 | 13.42 | 19.96 | 19.96 | 19.17 | 19.58 |
| STANDARD DEVIATION | 6.37 | 0.00 | 0.00 | 6.37 | 8.58 | 9.92 | 10.40 | 9.72 |
| SPELLING | | | | | | | | |
| MEAN | 6.97 | 0.00 | 0.00 | 6.97 | 18.62 | 13.17 | 13.36 | 14.73 |
| STANDARD DEVIATION | 8.64 | 0.00 | 0.00 | 8.64 | 12.17 | 12.04 | 14.39 | 13.31 |
| LANGUAGE | | | | | | | | |
| MEAN | 11.97 | 0.00 | 0.00 | 11.97 | 12.33 | 13.52 | 14.36 | 13.60 |
| STANDARD DEVIATION | 5.10 | 0.00 | 0.00 | 5.10 | 5.21 | 4.77 | 7.70 | 6.41 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 12.03 | 0.00 | 0.00 | 12.03 | 17.29 | 13.96 | 14.52 | 15.12 |
| STANDARD DEVIATION | 5.87 | 0.00 | 0.00 | 5.87 | 7.62 | 6.36 | 6.38 | 6.79 |
| RAVENS | | | | | | | | |
| MEAN | 17.32 | 0.00 | 0.00 | 17.32 | 16.08 | 16.13 | 16.17 | 16.13 |
| STANDARD DEVIATION | 4.41 | 0.00 | 0.00 | 4.41 | 4.43 | 4.47 | 4.43 | 4.39 |
| READING | | | | | | | | |
| MEAN | 12.23 | 0.00 | 0.00 | 12.23 | 15.96 | 15.48 | 15.24 | 15.49 |
| STANDARD DEVIATION | 4.35 | 0.00 | 0.00 | 4.35 | 5.17 | 5.41 | 6.66 | 5.92 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 10.90 | 0.00 | 0.00 | 10.90 | 16.50 | 13.48 | 13.14 | 14.13 |
| STANDARD DEVIATION | 5.90 | 0.00 | 0.00 | 5.90 | 5.88 | 7.37 | 6.25 | 6.55 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 9.81 | 0.00 | 0.00 | 9.81 | 12.58 | 10.87 | 10.95 | 11.37 |
| STANDARD DEVIATION | 3.92 | 0.00 | 0.00 | 3.92 | 5.64 | 5.50 | 5.20 | 5.39 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.06 | 0.00 | 0.00 | 34.06 | 35.33 | 35.17 | 35.83 | 35.53 |
| STANDARD DEVIATION | 6.88 | 0.00 | 0.00 | 6.88 | 4.70 | 8.70 | 6.13 | 6.50 |
| IARS(-) | | | | | | | | |
| MEAN | 8.45 | 0.00 | 0.00 | 8.45 | 9.46 | 9.43 | 9.26 | 9.36 |
| STANDARD DEVIATION | 2.99 | 0.00 | 0.00 | 2.99 | 2.40 | 2.27 | 2.70 | 2.49 |
| IARS(+) | | | | | | | | |
| MEAN | 13.03 | 0.00 | 0.00 | 13.03 | 12.46 | 12.09 | 12.02 | 12.16 |
| STANDARD DEVIATION | 2.42 | 0.00 | 0.00 | 2.42 | 2.70 | 3.00 | 2.44 | 2.64 |
| TOTAL READING | | | | | | | | |
| MEAN | 25.65 | 0.00 | 0.00 | 25.65 | 35.92 | 35.43 | 34.40 | 35.08 |
| STANDARD DEVIATION | 9.86 | 0.00 | 0.00 | 9.86 | 12.35 | 14.29 | 16.31 | 14.67 |
| TOTAL MATH | | | | | | | | |
| MEAN | 32.74 | 0.00 | 0.00 | 32.74 | 46.37 | 38.30 | 38.62 | 40.63 |
| STANDARD DEVIATION | 14.25 | 0.00 | 0.00 | 14.25 | 17.37 | 16.80 | 16.18 | 16.84 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 5.55 | 0.00 | 0.00 | 5.55 | 5.88 | 6.26 | 5.83 | 5.96 |
| STANDARD DEVIATION | 2.51 | 0.00 | 0.00 | 2.51 | 2.92 | 2.53 | 3.43 | 3.06 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 6.42 | 0.00 | 0.00 | 6.42 | 6.46 | 7.26 | 8.52 | 7.64 |
| STANDARD DEVIATION | 3.37 | 0.00 | 0.00 | 3.37 | 3.99 | 3.77 | 5.16 | 4.57 |

Table C7-IIEF-1

### ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT II ENTERING FIRST SITES IN THE COGNITIVE CURRICULUM MODEL

| | | LEFLORE CO., MS | | |
|---|---|---|---|---|
| | | FT | NFT | |
| | | | Local | Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 |
| BLACK | Percent | 93.6 | 100.0 | 99.0 |
| | Number | 73 | 52 | 95 |
| ORIENTAL | Percent | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 |
| PUERTO RICAN | Percent | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 |
| WHITE | Percent | 6.4 | 0.0 | 0.0 |
| | Number | 5 | 0 | 0 |
| OTHER | Percent | 0.0 | 0.0 | 1.0 |
| | Number | 0 | 0 | 1 |
| BEST MATCHED SITE | | Williamsburg Co, SC | | |

Table C7-IIEF-2

### DISTRIBUTION OF BACKGROUND VARIABLES COHORT II ENTERING FIRST SITES IN THE COGNITIVE CURRICULUM MODEL

| | SPONSOR'S SITES | | | LEFLORE CO., MS | | |
|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE | | | | | | |
| Number | — | — | — | 78 | 52 | 96 |
| FALL KINDERGARTEN WRAT | | | | | | |
| Mean Score | 28.2 | 31.0 | — | 28.2 | 31.0 | 26.0 |
| PERCENT WITH PRESCHOOL | 42 | 77 | — | 42 | 77 | 82 |
| Number Responding | — | — | — | 66 | 47 | 95 |
| CHILDREN'S ETHNICITY | | | | | | |
| Percent Black | 94 | 100 | — | 94 | 100 | 99 |
| Percent White | 6 | 0 | — | 6 | 0 | 0 |
| Percent Other | 0 | 0 | — | 0 | 0 | 1 |
| MEDIAN FAMILY INCOME | 2107 | 2500 | — | 2107 | 2500 | 1771 |
| Number Responding | — | — | — | 48 | 39 | 69 |
| MOTHER'S EDUCATION | | | | | | |
| Percent H.S. Graduates | 7 | 26 | — | 7 | 26 | 14 |
| Number Responding | — | — | — | 42 | 35 | 59 |
| FEMALE HEADS OF HOUSEHOLD | | | | | | |
| Percent | 21 | 30 | — | 21 | 30 | 17 |
| BEST MATCHED SITE | | | | Williamsburg Co, SC | | |

Table C7-IIEF-3

### TEACHER BACKGROUND CHARACTERISTICS FOR COHORT II-E SITES IN COGNITIVE CURRICULUM MODEL

| | Leflore Co., MS | |
|---|---|---|
| | FT | NFT |
| YEARS OF ELEMENTARY TEACHING EXPERIENCE | | |
| Mean | 12.66 | 5.66 |
| Standard Deviation | 13.29 | 4.67 |
| N | 6 | 6 |
| YEARS IN SCHOOL | | |
| Mean | 6.66 | 3.83 |
| Standard Deviation | 6.68 | 4.26 |
| N | 6 | 6 |
| YEARS IN MODEL | | |
| Mean | 3.16 | 0 |
| Standard Deviation | 0.75 | 0 |
| N | 6 | 0 |
| TEACHER'S EDUCATION | | |
| % Less than B.A. | 0 | 0 |
| % with B.A. | 50. | 83.3 |
| % Some Graduate | 50. | 16.7 |
| % M.A. or More | 0 | 0 |
| N | 6 | 6 |
| TEACHER'S CERTIFICATION | | |
| % None | 0 | 0 |
| % Temporary | 0 | 0 |
| % Renewable/Permanent | 100. | 100. |
| N | 6 | 6 |
| TEACHER'S ETHNICITY | | |
| % White | 16.7 | 16.7 |
| % Black | 83.3 | 83.3 |
| % Spanish Surname | 0 | 0 |
| % Other | 0 | 0 |
| N | 6 | 6 |
| AGE IN YEARS | | |
| Mean | 38.83 | 30.0 |
| Standard Deviation | 14.81 | 6.95 |
| N | 6 | 6 |

Table C7-IIEF-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1973) FOR THE COHORT II ENTERING FIRST SITES IN THE COGNITIVE CURRICULUM MODEL

| | SPONSOR'S SITES | | | LEFLORE CO., MS | | |
|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 45.4 | 54.2 | — | 45.4 | 54.2 | 46.7 |
| Number | 1 | 1 | — | 6 | 5 | 10 |
| Local Mean Difference | -8.8 | — | — | -8.8 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — |
| FLEXIBLE CLASSROOM | 59.3 | 55.7 | — | 59.3 | 55.7 | 59.7 |
| Number | 1 | 1 | — | 6 | 6 | 10 |
| Local Mean Difference | 3.6 | — | — | 3.6 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — |
| INDIVIDUALIZATION | 63.3 | 49.3 | — | 63.3 | 49.3 | 62.9 |
| Number | 1 | 1 | — | 6 | 6 | 10 |
| Local Mean Difference | 14.0 | — | — | 14.0 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 53.8 | 46.8 | — | 53.8 | 46.8 | 55.6 |
| Number | 1 | 1 | — | 6 | 4 | 9 |
| Local Mean Difference | 7.0 | — | — | 7.0 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — |
| SATISFACTION WITH SPONSOR | 57.8 | 48.9 | — | 57.8 | 48.9 | 43.7 |
| Number | 1 | 1 | — | 6 | 3 | 3 |
| Local Mean Difference | 8.9 | — | — | 8.9 | — | — |
| Best Match Mean Difference | — | — | — | 14.1 | — | — |
| BEST MATCHED SITE | | | | Williamsburg Co, SC | | |

## Table C7-IIEF-5

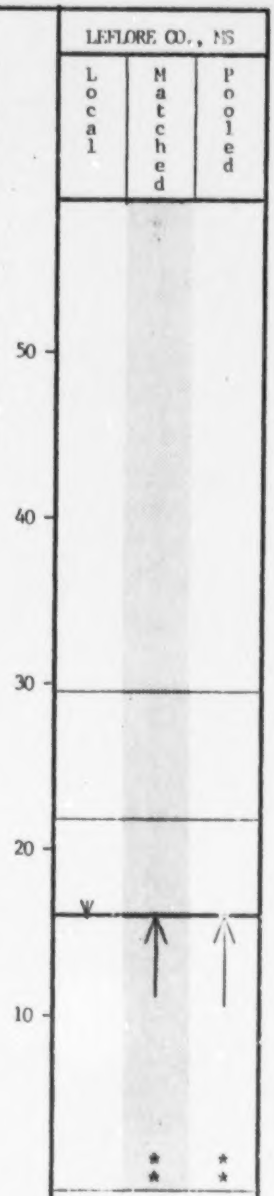
STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1973)
FOR THE COHORT II ENTERING FIRST SITES
IN THE COGNITIVE CURRICULUM MODEL

| | SPONSOR'S SITES | | | LEFLORE CO., MS | | |
|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 45.7 | 43.3 | — | 45.7 | 43.3 | 43.3 |
| Number | 1 | 1 | — | 47 | 39 | 69 |
| Local Mean Difference | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — |
| SCHOOL HELPED CHILD | 52.6 | 49.5 | — | 52.6 | 49.5 | 45.0 |
| Number | 1 | 1 | — | 47 | 39 | 69 |
| Local Mean Difference | 3.1 | — | — | 3.1 | — | — |
| Best Match Mean Difference | — | — | — | 6.8 | — | — |
| PAC INVOLVEMENT | 48.1 | 43.9 | — | 48.1 | 43.9 | 44.2 |
| Number | 1 | 1 | — | 43 | 35 | 62 |
| Local Mean Difference | 4.3 | — | — | 4.3 | — | — |
| Best Match Mean Difference | — | — | — | 3.9 | — | — |
| CHILD READS AT HOME | 51.2 | 49.6 | — | 51.2 | 49.6 | 46.7 |
| Number | 1 | [illegible] | [illegible] | 47 | 39 | 69 |
| Local Mean Difference | [illegible] | [illegible] | [illegible] | [illegible] | — | — |
| Best Match Mean Difference | [illegible] | [illegible] | [illegible] | [illegible] | — | — |
| CHILD'S PROG IN SCHOOL | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 48.4 |
| Number | [illegible] | 1 | [illegible] | [illegible] | 39 | 69 |
| Local Mean Difference | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | — |
| Best Match Mean Difference | [illegible] | [illegible] | [illegible] | [illegible] | — | — |
| CHILD READ TO AT HOME | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 48.0 |
| Number | [illegible] | [illegible] | [illegible] | 47 | 39 | 69 |
| Local Mean Difference | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 4.0 | — | — |
| PARENT VISITS TO SCHOOL | 50.7 | 46.8 | — | 50.7 | 46.8 | 47.1 |
| Number | 1 | 1 | — | 47 | 39 | 69 |
| Local Mean Difference | 3.9 | — | — | 3.9 | — | — |
| Best Match Mean Difference | — | — | — | 3.6 | — | — |
| CHILD'S EMOT ADJUST | 55.7 | 53.3 | — | 55.7 | 53.3 | 56.8 |
| Number | 1 | 1 | — | 47 | 39 | 69 |
| Local Mean Difference | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — |
| SCH HELPED WITH CHILD | 57.2 | 49.3 | — | 57.2 | 49.3 | 43.5 |
| Number | 1 | 1 | — | 47 | 39 | 69 |
| Local Mean Difference | 7.9 | — | — | 7.9 | — | — |
| Best Match Mean Difference | — | — | — | 13.8 | — | — |
| SCHOOL'S RECEPTIVITY | 50.5 | 49.8 | — | 50.5 | 49.8 | 47.8 |
| Number | 1 | 1 | — | 46 | 39 | 69 |
| Local Mean Difference | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 2.8 | — | — |
| PARENT LOCUS | 55.0 | 52.9 | — | 55.0 | 52.9 | 60.1 |
| Number | 1 | 1 | — | 46 | 39 | 69 |
| Local Mean Difference | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -5.1 | — | — |
| SCH HELPED PERSONALLY | 51.1 | 49.4 | — | 51.1 | 49.4 | 47.7 |
| Number | 1 | 1 | — | 47 | 39 | 69 |
| Local Mean Difference | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 3.4 | — | — |
| PARENT-CHILD INTERACTION | 53.0 | 50.3 | — | 53.0 | 50.3 | 52.4 |
| Number | 1 | 1 | — | 47 | 39 | 69 |
| Local Mean Difference | 2.8 | — | — | 2.8 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — |
| BEST MATCHED SITE | | | | Williamsburg Co, SC | | |

## Table C7-IIEF-7

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT WORD KNOWLEDGE FOR COHORT II ENTERING FIRST SITES IN THE COGNITIVE CURRICULUM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⩔ ⩓ |
| S.D. - | 9.99 |
| .25 S.D. - | 2.50 |
| P < .05 : | * |
| P < .01 : | ** |



National Mean 30.5

Overall NFT Mean 22.0

| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -1.01 | 4.76 | 5.28 |
| Standard Error | 2.16 | 1.79 | 1.02 |
| FT Mean | 16.18 | | |
| No. of FT Children | 78 | | |
| Matched NFT Site | Williamsburg Co, SC | | |

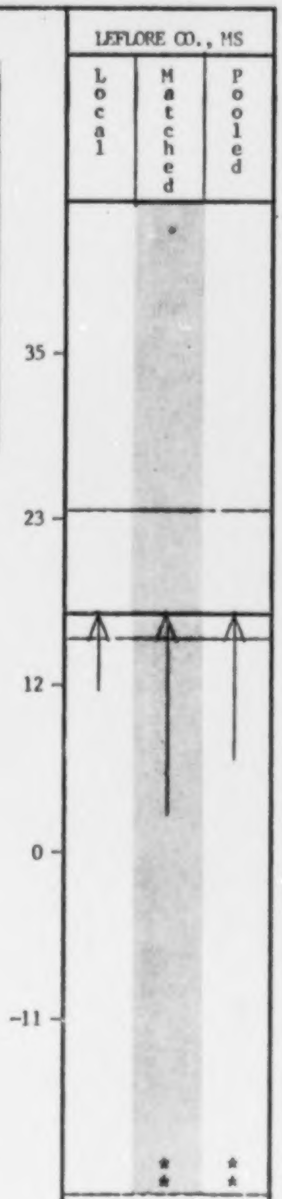
### Table C7-IIEF-8

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT SPELLING FOR COHORT II ENTERING FIRST SITES IN THE COGNITIVE CURRICULUM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⩔ ⩓ |
| S.D. – | 11.62 |
| .25 S.D. – | 2.91 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 24.0

Overall NFT Mean 15.7



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | 5.26 | 14.05 | 10.19 |
| Standard Error | 3.07 | 2.92 | 1.52 |
| FT Mean | 16.87 | | |
| No. of FT Children | 78 | | |
| Matched NFT Site | Williamsburg Co, SC | | |

## Table C7-IIEF-9

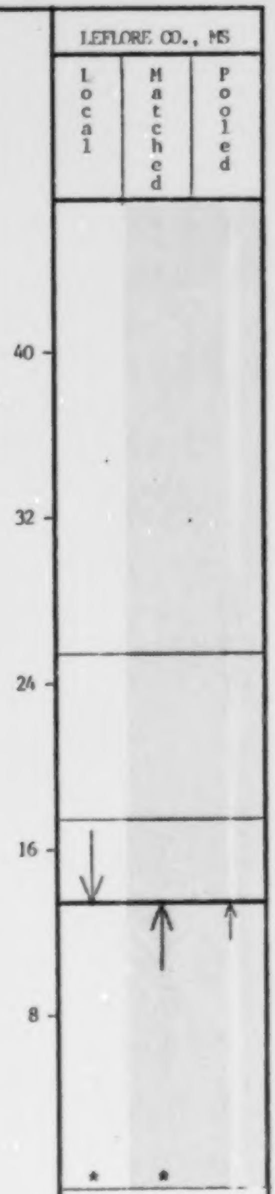
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE FOR COHORT II ENTERING FIRST SITES IN THE COGNITIVE CURRICULUM MODEL

KEY

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ⋁ ⋀
S.D. - 8.05
.25 S.D. - 2.01
P < .05 : *
P < .01 : **

National Mean 26.0

Overall NFT Mean 18.0



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -3.54 | 3.15 | 1.77 |
| Standard Error | 1.75 | 1.40 | 0.94 |
| FT Mean | 13.62 | | |
| No. of FT Children | 78 | | |
| Matched NFT Site | Williamsburg Co, SC | | |

# Table C7-IIEF-10

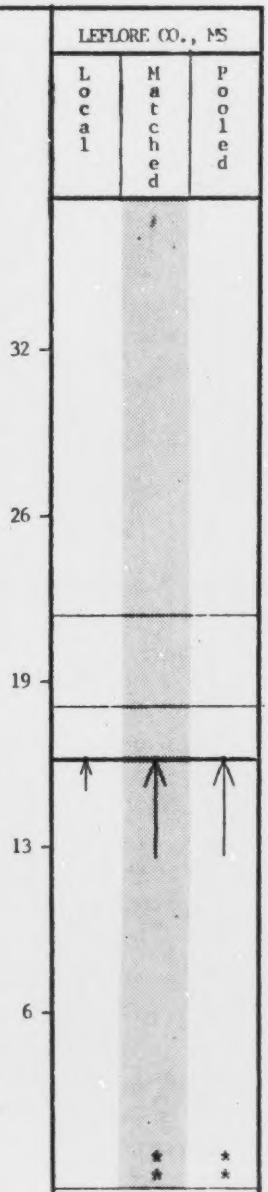
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT II ENTERING FIRST SITES IN THE COGNITIVE CURRICULUM MODEL

**KEY**

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ⋁ ⋀
S.D. - 6.49
.25 S.D. - 1.62
P < .05 : *
P < .01 : **

National Mean 22.5

Overall NFT Mean 18.5



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | 1.20 | 3.75 | 3.70 |
| Standard Error | 1.53 | 1.39 | 0.80 |
| FT Mean | 16.47 | | |
| No. of FT Children | 78 | | |
| Matched NFT Site | Williamsburg Co, SC | | |

**COHORT II-EF STUDY**
**Non-Preschool Adjusted**

## Table C7-IIEF-11

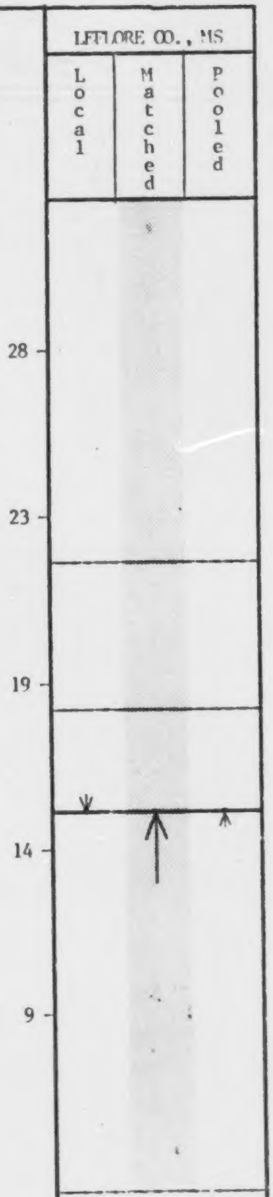
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE RAVEN S PROGRESSIVE MATRICES
FOR COHORT II ENTERING FIRST SITES
IN THE COGNITIVE CURRICULUM MODEL

KEY

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ⋁ ⋀
S.D. – 4.64
.25 S.D. – 1.16
P < .05 : *
P < .01 : **

National Mean 22.3

Overall NFT Mean 18.2



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -0.47 | 2.03 | 0.12 |
| Standard Error | 1.23 | 1.25 | 0.51 |
| FT Mean | 15.10 | | |
| No. of FT Children | 78 | | |
| Matched NFT Site | Williamsburg Co, SC | | |

## Table C7-IIEF-12

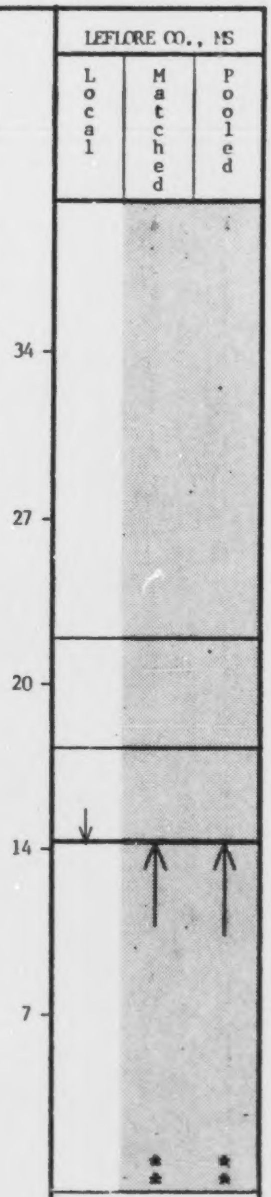
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT READING FOR COHORT II ENTERING FIRST SITES IN THE COGNITIVE CURRICULUM MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. - | 6.82 |
| .25 S.D. - | 1.70 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.5

Overall NFT Mean 18.0



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -1.33 | 3.36 | 3.75 |
| Standard Error | 1.30 | 1.17 | 0.74 |
| FT Mean | 14.09 | | |
| No. of FT Children | 78 | | |
| Matched NFT Site | Williamsburg Co, SC | | |

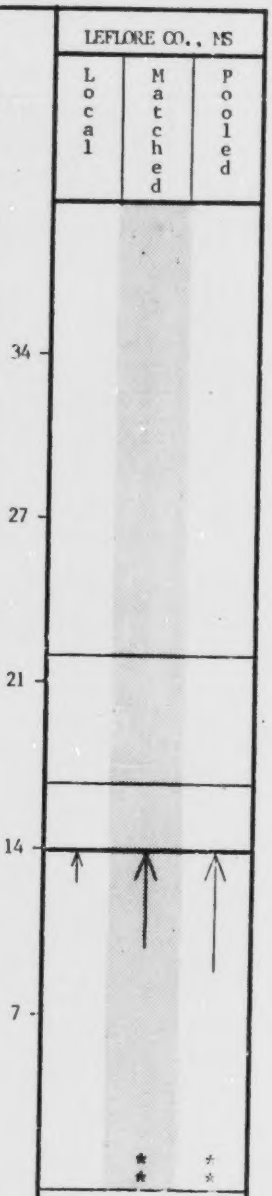
## Table C7-IIEF-13

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT MATHEMATICS CONCEPTS
FOR COHORT II ENTERING FIRST SITES
IN THE COGNITIVE CURRICULUM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. - | 6.85 |
| .25 S.D. - | 1.71 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.0

Overall NFT Mean 16.6

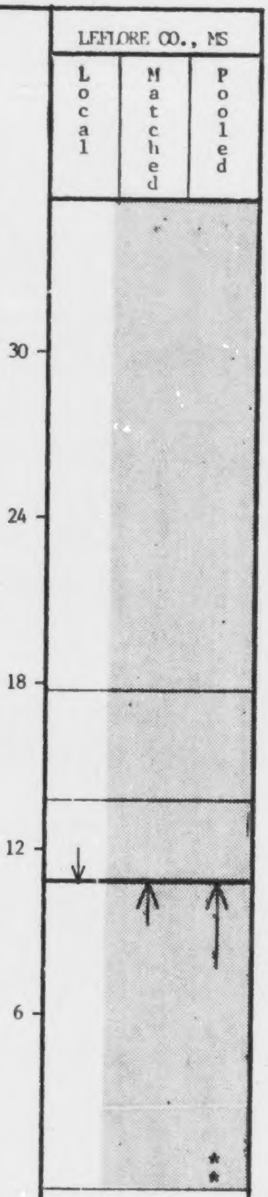


| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | 1.27 | 3.97 | 5.06 |
| Standard Error | 1.48 | 1.39 | 0.81 |
| FT Mean | 13.82 | | |
| No. of FT Children | 78 | | |
| Matched NFT Site | Williamsburg Co, SC | | |

## Table C7-IIEF-14

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT II ENTERING FIRST SITES IN THE COGNITIVE CURRICULUM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. – | 6.10 |
| .25 S.D. – | 1.52 |
| P < .05 : | * |
| P < .01 : | ** |



National Mean 18.5

Overall NFT Mean 14.5

| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -1.25 | 1.55 | 3.17 |
| Standard Error | 1.24 | 1.12 | 0.73 |
| FT Mean | 11.12 | | |
| No. of FT Children | 78 | | |
| Matched NFT Site | Williamsburg Co, SC | | |

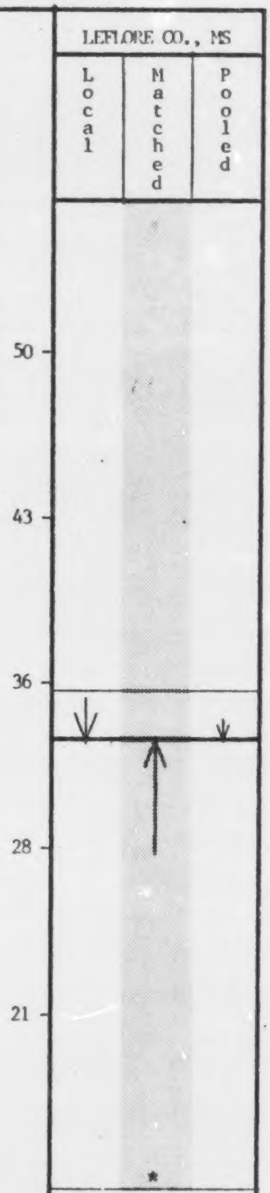
**COHORT II-EF STUDY**
**Non-Preschool Adjusted**

## Table C7-IIEF-15

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE COOPERSMITH SELF-ESTEEM INVENTORY
FOR COHORT II ENTERING FIRST SITES
IN THE COGNITIVE CURRICULUM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 7.12 |
| .25 S.D. - | 1.78 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 35.7



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -1.90 | 4.92 | -0.92 |
| Standard Error | 1.75 | 2.09 | 0.64 |
| FT Mean | 33.28 | | |
| No. of FT Children | 78 | | |
| Matched NFT Site | Williamsburg Co, SC | | |

## Table C7-IIEF-16

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT II ENTERING FIRST SITES IN THE COGNITIVE CURRICULUM MODEL

**KEY**

FT Favoring: ↑

NFT Favoring: ↓

Material Difference: ⋁ ⋀

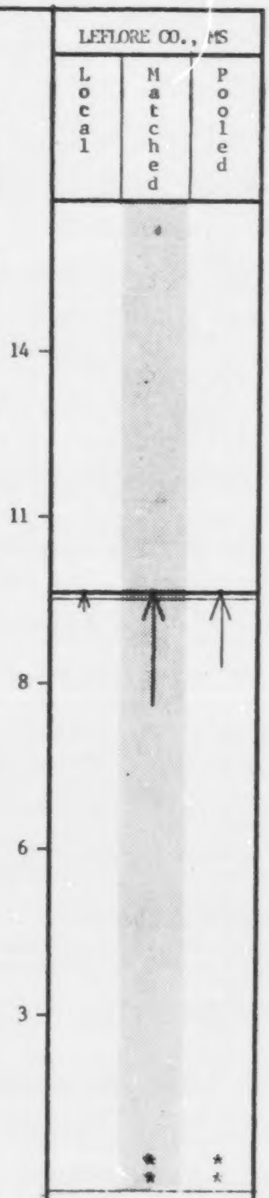
S.D. - 2.76

.25 S.D. - .69

P < .05 : *

P < .01 : **

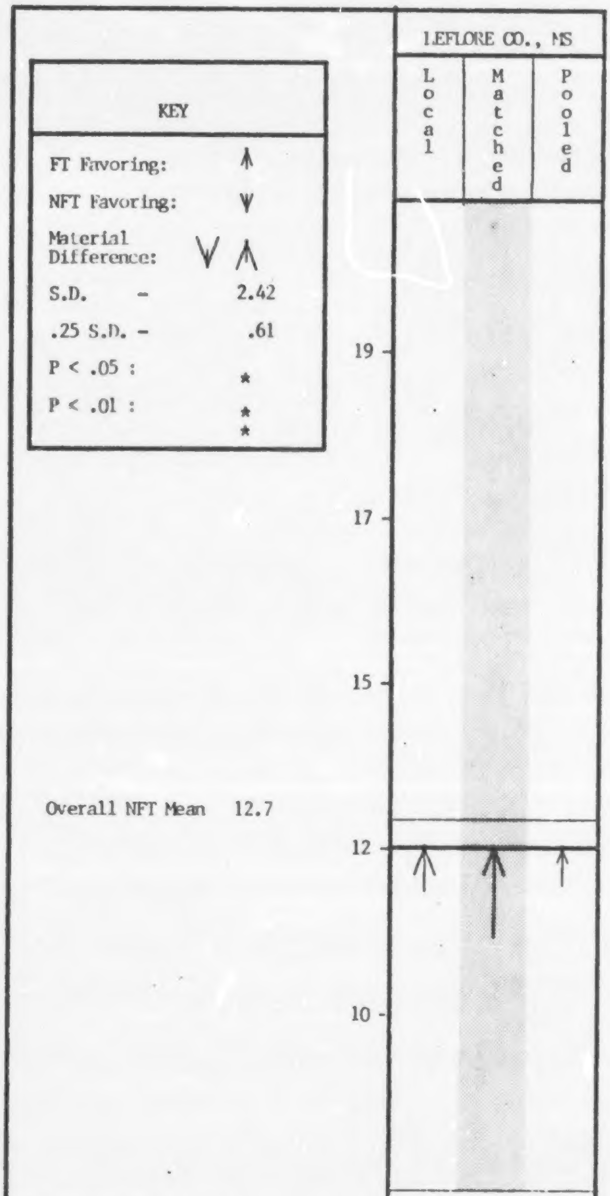
Overall NFT Mean 9.7



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | 0.09 | 1.86 | 1.23 |
| Standard Error | 0.68 | 0.69 | 0.31 |
| FT Mean | 9.85 | | |
| No. of FT Children | 78 | | |
| Matched NFT Site | Williamsburg Co, SC | | |

## Table C7-IIEF-17

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE FOR COHORT II ENTERING FIRST SITES IN THE COGNITIVE CURRICULUM MODEL



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | 0.63 | 1.28 | 0.53 |
| Standard Error | 0.71 | 0.73 | 0.29 |
| FT Mean | 12.17 | | |
| No. of FT Children | 78 | | |
| Matched NFT Site | Williamsburg Co, SC | | |

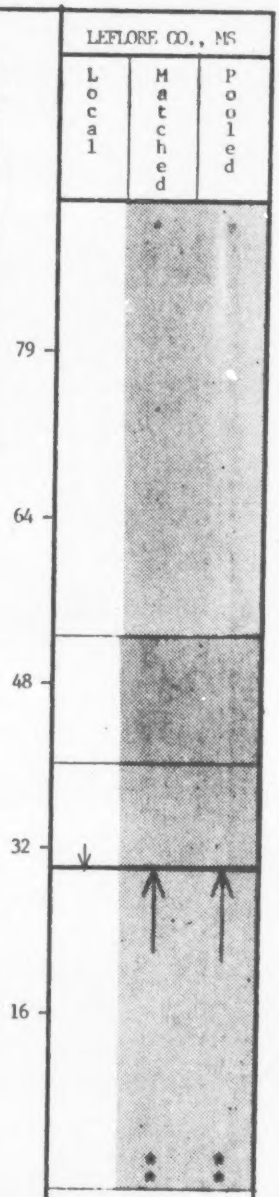
# Table C7-IIEF-18

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT TOTAL READING
FOR COHORT II ENTERING FIRST SITES
IN THE COGNITIVE CURRICULUM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. - | 15.88 |
| .25 S.D. - | 3.97 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 53.0

Overall NFT Mean 40.0

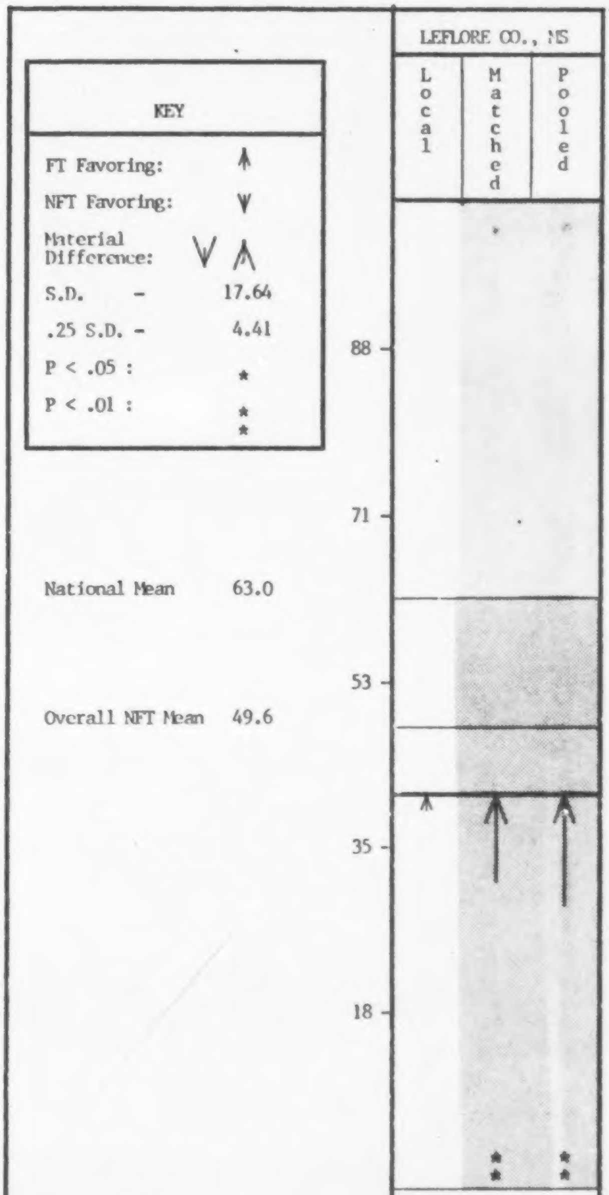


| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -2.34 | 7.98 | 9.09 |
| Standard Error | 3.22 | 2.61 | 1.67 |
| FT Mean | 30.27 | | |
| No. of FT Children | 78 | | |
| Matched NFT Site | Williamsburg Co, SC | | |

**COHORT II-EF STUDY**
**Non-Preschool Adjusted**

## Table C7-IIEF-19

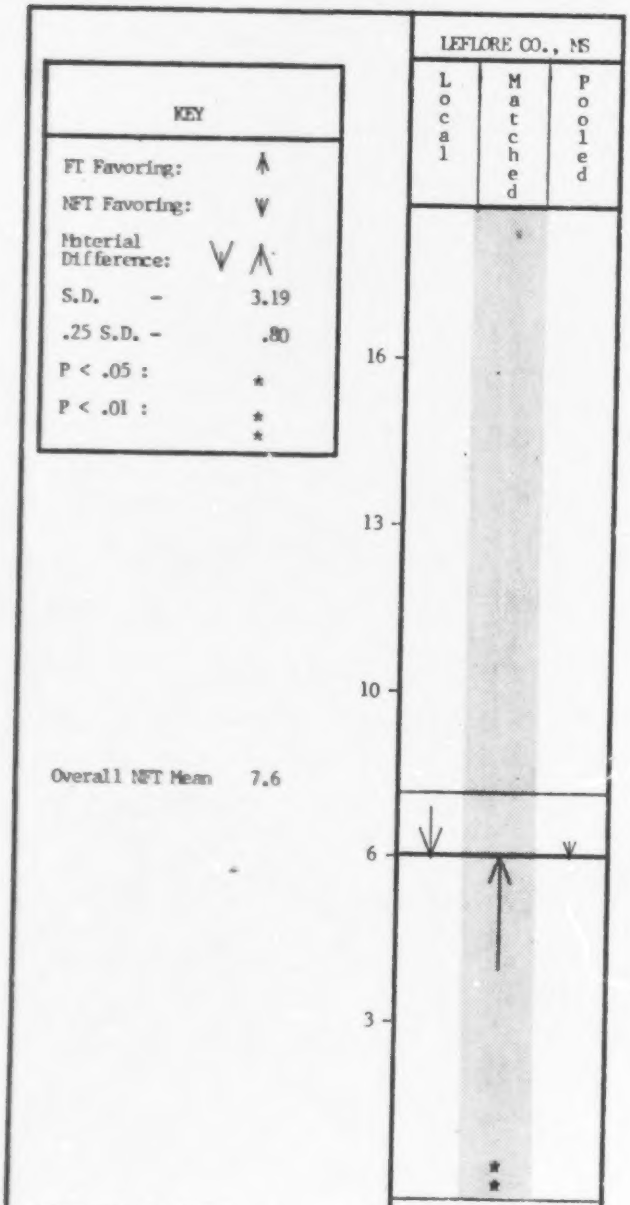
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL MATH FOR COHORT II ENTERING FIRST SITES IN THE COGNITIVE CURRICULUM MODEL



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | 1.22 | 9.27 | 11.91 |
| Standard Error | 3.61 | 3.24 | 2.13 |
| FT Mean | 41.41 | | |
| No. of FT Children | 78 | | |
| Matched NFT Site | Williamsburg Co, SC | | |

## Table C7-IIEF-20

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT II ENTERING FIRST SITES IN THE COGNITIVE CURRICULUM MODEL



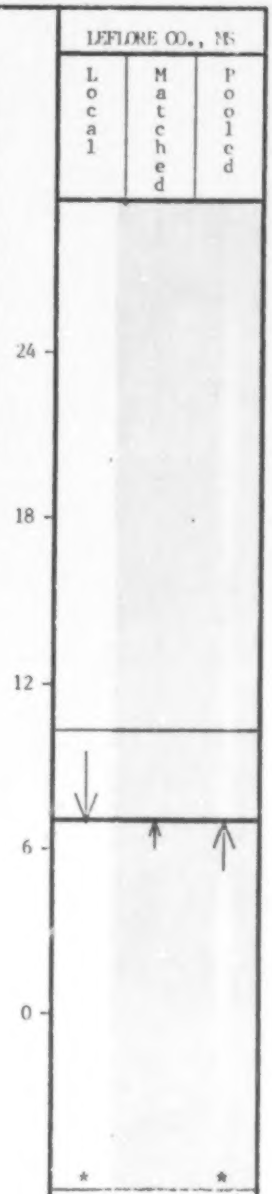
| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -0.98 | 2.18 | -0.03 |
| Standard Error | 0.76 | 0.70 | 0.33 |
| FT Mean | | 6.45 | |
| No. of FT Children | | 78 | |
| Matched NFT Site | | Williamsburg Co, SC | |

# Table C7-IIEF-21

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT II ENTERING FIRST SITES IN THE COGNITIVE CURRICULUM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⩔ ⩓ |
| S.D. - | 5.98 |
| .25 S.D. - | 1.49 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 10.4



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -2.55 | 0.97 | 1.80 |
| Standard Error | 1.28 | 1.00 | 0.75 |
| FT Mean | 7.17 | | |
| No. of FT Children | 78 | | |
| Matched NFT Site | Williamsburg Co, SC | | |

Table C7-IIEF-22

### STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT II ENTERING FIRST SITES IN THE COGNITIVE CURRICULUM MODEL

| | | SPONSOR'S SITES | | | LEFLORE CO., MS | | |
|---|---|---|---|---|---|---|---|
| | MAT NORM POPU-LATION | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| TOTAL READING | | | | | | | |
| Third Grade Median | 61 | 49.9 | 45.5 | — | 49.9 | 45.5 | 38.6 |
| Median Percentile | 50 | 16.0 | 9.0 | 4.0 | 16.0 | 9.0 | 4.0 |
| Grade Equivalent | 3.5 | 2.4 | 2.2 | 1.8 | 2.4 | 2.2 | 1.8 |
| 1 Year or More Below Grade Level | 20 | 57.7 | 69.2 | — | 57.7 | 69.2 | 93.7 |
| TOTAL MATHEMATICS | | | | | | | |
| Third Grade Median | 70.5 | 58.5 | 57.2 | — | 58.5 | 57.2 | 50.1 |
| Median Percentile | 50 | 16.0 | 12.0 | 4.0 | 16.0 | 12.0 | 4.0 |
| Grade Equivalent | 3.75 | 2.9 | 2.7 | 2.2 | 2.9 | 2.7 | 2.2 |
| 1 Year or More Below Grade Level | 12 | 47.4 | 51.9 | — | 47.4 | 51.9 | 80.2 |
| SPELLING | | | | | | | |
| Third Grade Median | 64 | 57.8 | 51.8 | — | 57.8 | 51.8 | 39.3 |
| Median Percentile | 50 | 32.0 | 18.0 | 2.0 | 32.0 | 18.0 | 2.0 |
| Grade Equivalent | 3.6 | 2.9 | 2.5 | 1.5 | 2.9 | 2.5 | 1.5 |
| 1 Year or More Below Grade Level | 22 | 37.2 | 65.4 | — | 37.2 | 65.4 | 82.3 |
| LANGUAGE | | | | | | | |
| Third Grade Median | 70 | 54.7 | 57.0 | — | 54.7 | 57.0 | 49.8 |
| Median Percentile | 50 | 14.0 | 20.0 | 8.0 | 14.0 | 20.0 | 8.0 |
| Grade Equivalent | 4.0 | 2.5 | 2.7 | 2.1 | 2.5 | 2.7 | 2.1 |
| 1 Year or More Below Grade Level | 14 | 76.9 | 69.2 | — | 76.9 | 69.2 | 97.9 |
| BEST MATCHED SITE | | | | | Williamsburg Co, SC | | |

945

## Table C7-IIEF-23

### MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES USED IN THE ANALYTIC SAMPLE OF THE COHORT II ENTERING FIRST SITES IN THE COGNITIVE CURRICULUM MODEL

| | SPONSOR'S SITES | | | LEFLORE CO., MS | | |
|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | |
| Mean | 28.2 | 31.0 | — | 28.2 | 31.0 | 26.0 |
| Standard Deviation | — | — | — | 9.3 | 10.4 | 8.8 |
| HIGHEST OCCUPATION IN HOUSE | | | | | | |
| Mean | 12.1 | 13.1 | — | 12.1 | 13.1 | 15.2 |
| Standard Deviation | — | — | — | 1.4 | 1.7 | 3.0 |
| FAMILY INCOME IN DOLLARS | | | | | | |
| Mean | 2479 | 3487 | — | 2479 | 3487 | 2304 |
| Standard Deviation | — | — | — | 1533 | 2453 | 1648 |
| MISSING INCOME INFORMATION | | | | | | |
| No. Missing | — | — | — | 30 | 13 | 27 |
| Valid Cases | — | — | — | 48 | 39 | 69 |
| ETHNIC MEMBERSHIP/RACE | | | | | | |
| Percent White | 6 | 0 | — | 6 | 0 | 0 |
| Percent Black | 94 | 100 | — | 94 | 100 | 99 |
| SEX Percent Female | 42 | 40 | — | 42 | 40 | 46 |
| ENTRY AGE IN MONTHS | | | | | | |
| Mean | 75.5 | 72.2 | — | 75.5 | 72.2 | 72.9 |
| Standard Deviation | — | — | — | 3.8 | 23.1 | 34.3 |
| FIRST LANGUAGE | | | | | | |
| Percent English | 100 | 100 | — | 100 | 100 | 100 |
| BEST MATCHED SITE | | | | Williamsburg Co, SC | | |

Table C7-IIEF-24

## MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES COHORT II ENTERING FIRST SITES IN THE COGNITIVE CURRICULUM MODEL

| | ALL SITES | | SPONSOR'S SITES | | | LEFLORE CO., MS | | |
|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | | FT | NFT | |
| | | | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | |
| Mean | 36.10 | 37.29 | 30.27 | 29.37 | — | 30.27 | 29.37 | 19.93 |
| Standard Deviation | | | — | — | — | 12.41 | 14.68 | 7.87 |
| TOTAL MATHEMATICS | | | | | | | | |
| Mean | 46.79 | 47.93 | 41.41 | 39.15 | — | 41.41 | 39.15 | 31.57 |
| Standard Deviation | | | — | — | — | 14.59 | 12.39 | 8.26 |
| LANGUAGE | | | | | | | | |
| Mean | 18.13 | 18.20 | 13.62 | 16.04 | — | 13.62 | 16.04 | 9.91 |
| Standard Deviation | | | — | — | — | 6.75 | 6.88 | 3.36 |
| SPELLING | | | | | | | | |
| Mean | 15.76 | 14.48 | 16.87 | 10.38 | — | 16.87 | 10.38 | 4.82 |
| Standard Deviation | | | — | — | — | 12.62 | 10.95 | 8.46 |
| RAVEN'S PROGRESSIVE MAT. | | | | | | | | |
| Mean | 16.49 | 17.43 | 15.10 | 15.65 | — | 15.10 | 15.65 | 14.48 |
| Standard Deviation | | | — | — | — | 4.47 | 4.76 | 4.52 |
| COOPERSMITH'S SELF-EST. | | | | | | | | |
| Mean | 35.35 | 35.93 | 33.28 | 34.12 | — | 33.28 | 34.12 | 30.17 |
| Standard Deviation | | | — | — | — | 6.01 | 7.79 | 8.41 |
| IARS-LOCUS NEGATIVE | | | | | | | | |
| Mean | 9.57 | 9.53 | 9.85 | 9.13 | — | 9.85 | 9.13 | 8.02 |
| Standard Deviation | | | — | — | — | 2.55 | 2.59 | 2.54 |
| IARS-LOCUS POSITIVE | | | | | | | | |
| Mean | 12.30 | 12.49 | 12.17 | 11.37 | — | 12.17 | 11.37 | 10.30 |
| Standard Deviation | | | — | — | — | 2.58 | 2.88 | 2.69 |
| WORD KNOWLEDGE | | | | | | | | |
| Mean | 20.39 | 20.34 | 16.18 | 15.38 | — | 16.18 | 15.38 | 9.95 |
| Standard Deviation | | | — | — | — | 8.15 | 9.70 | 5.71 |
| READING | | | | | | | | |
| Mean | 15.72 | 16.98 | 14.09 | 13.98 | — | 14.09 | 13.98 | 10.08 |
| Standard Deviation | | | — | — | — | 5.22 | 5.52 | 3.60 |
| MATH COMPUTATIONS | | | | | | | | |
| Mean | 18.34 | 18.29 | 16.47 | 15.75 | — | 16.47 | 15.75 | 12.16 |
| Standard Deviation | | | — | — | — | 6.07 | 5.32 | 3.76 |
| MATH CONCEPTS | | | | | | | | |
| Mean | 15.41 | 15.82 | 13.82 | 12.04 | — | 13.82 | 12.04 | 9.67 |
| Standard Deviation | | | — | — | — | 5.97 | 5.06 | 3.98 |
| MATH PROBLEM SOLVING | | | | | | | | |
| Mean | 13.03 | 13.83 | 11.12 | 11.37 | — | 11.12 | 11.37 | 9.75 |
| Standard Deviation | | | — | — | — | 4.79 | 4.53 | 3.15 |
| LANGUAGE PART A | | | | | | | | |
| Mean | 7.37 | 7.34 | 6.45 | 7.06 | — | 6.45 | 7.06 | 4.26 |
| Standard Deviation | | | — | — | — | 2.97 | 3.25 | 2.35 |
| LANGUAGE PART B | | | | | | | | |
| Mean | 10.75 | 10.86 | 7.17 | 8.98 | — | 7.17 | 8.98 | 5.65 |
| Standard Deviation | | | — | — | — | 4.81 | 4.78 | 2.23 |
| BEST MATCH SITE | | | | | | Williamsburg Co, SC | | |

Table C7-IIEF-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT II-EF LOCAL ANALYSES FOR THE COGNITIVE CURRICULUM MODEL

### CODE

**FEW** = Fall Entering WRAT
**NOFEW** = Missing WRAT
**ENTAGE** = Entry Age
**INCOME** = Income
**SEX** = Sex
**ETH2** = White vs. Other
**OCCUP** = Occupation
**NOINC** = Missing Income
**NOOCCUP** = Missing Occupation

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .4[illegible]254115 | .14501208 |
| NOFEW | [illegible].3157438 | 5.1343102 |
| ENTAGE | -.1598[illegible]114 | .32641551 |
| INCOME | -.17482112E-03 | .69521699E-03 |
| SEX | 5.4027336 | 2.7735391 |
| ETH2 | 19.[illegible]55567 | 7.4187467 |
| OCCUP | -.5[illegible]151117 | .95517313 |
| NOINC | -12.2236[illegible]4 | 15.198467 |
| NOOCCUP | 4.8[illegible]79293 | 15.513898 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .34247745 | .16273726 |
| NOFEW | 7.6317136 | 5.7657778 |
| ENTAGE | -.12766812 | .34306942 |
| INCOME | -.35836169E-03 | .78019515E-03 |
| SEX | 1.1537[illegible]9 | 3.1126015 |
| ETH2 | .14553695 | 8.3255581 |
| OCCUP | .0[illegible]553186 | 1.0719263 |
| NOINC | -11.471757 | 17.056212 |
| NOOCCUP | 6.8769654 | 17.298476 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .3496206 | .13830160 |
| NOFEW | [illegible].[illegible]81374[illegible] | 4.849[illegible]321 |
| ENTAGE | -.26322673 | .29223603 |
| INCOME | -.31267171E-04 | .66314560E-03 |
| SEX | 3.9659662 | 2.6452318 |
| ETH2 | -.3210210[illegible] | 7.0754418 |
| OCCUP | -.41655389 | .91097218 |
| NOINC | -4.38711[illegible]5 | 14.495153 |
| NOOCCUP | 1.586[illegible]117 | 14.766450 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .17832058 | .78891104E-01 |
| NOFEW | 2.947[illegible]562 | 2.7662236 |
| ENTAGE | -.13101811 | .16669961 |
| INCOME | -.2690[illegible]07E-04 | .37871977E-03 |
| SEX | 1.2019[illegible]6 | 1.5649142 |
| ETH2 | 8.1950621 | 4.0366300 |
| OCCUP | -.389[illegible] | .51964403 |
| NOINC | -1.3131437 | 8.2684467 |
| NOOCCUP | -1.1731137 | 8.4346[illegible]47 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .1[illegible]420[illegible]7[illegible] | .55254648E-01 |
| NOFEW | -.30884219 | 1.9372991 |
| ENTAGE | -.27827447E-01 | .11675497 |
| INCOME | -.53470679E-04 | .26490106E-03 |
| SEX | -.82966231 | 1.0558305 |
| ETH2 | 2.2[illegible]93714 | 2.8268036 |
| OCCUP | .1360525[illegible] | .36335419 |
| NOINC | -3.21[illegible]2101 | 5.7911445 |
| NOOCCUP | 4.1[illegible]280[illegible] | 5.9[illegible]75243 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .16649[illegible]19 | .78711861E-01 |
| NOFEW | 6.2556572 | 2.7597391 |
| ENTAGE | -.2516[illegible]15 | .16632087 |
| INCOME | -.[illegible]81621[illegible]E-04 | .37734644E-03 |
| SEX | .5[illegible]927450E-01 | 1.5054859 |
| ETH2 | -.4[illegible]621647 | 4.[illegible]263600 |
| OCCUP | .71[illegible]4642E-01 | .51846339 |
| NOINC | 7.[illegible] | 8.2496545 |
| NOOCCUP | -1[illegible].28[illegible]254 | 8.4154409 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .5481674[illegible]E-01 | .32192555E-01 |
| NOFEW | 1.6242955 | 1.1287124 |
| ENTAGE | -.83547[illegible]E-01 | .68023974E-01 |
| INCOME | .5716272[illegible]E-04 | .15433756E-03 |
| SEX | .518[illegible]633 | .[illegible]1573234 |
| ETH2 | .38149555 | 1.6469552 |
| OCCUP | .23464[illegible]73E-01 | .212[illegible]6759 |
| NOINC | 1.3[illegible]991[illegible]1 | 3.3740462 |
| NOOCCUP | -[illegible].6887[illegible]3[illegible] | 3.[illegible]418516 |

## Table C7-IIEF-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .34975379E-01 | .30822174E-01 |
| NOFEW | 1.6741340 | 1.1806651 |
| ENTAGE | -.24241104E-01 | .65120313E-01 |
| INCOME | -.43661351E-04 | .14776768E-03 |
| SEX | .11024442 | .58952170 |
| ETH2 | 2.1740402 | 1.5768473 |
| OCCUP | -.14149471 | .21302110 |
| NOINC | 3.4217134 | 3.2304190 |
| NOOCCUP | -4.1211917 | 3.2953389 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .25875031 | .97573609E-01 |
| NOFEW | 5.3554961 | 3.4210563 |
| ENTAGE | -.10617041 | .24617639 |
| INCOME | -.22714399E-04 | .46778744E-03 |
| SEX | 3.4011486 | 1.8662460 |
| ETH2 | 11.326391 | 4.3918178 |
| OCCUP | -.41574567 | .64270292 |
| NOINC | -6.9137177 | 10.226522 |
| NOOCCUP | 2.4357845 | 10.432036 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .14379045 | .58624919E-01 |
| NOFEW | 4.0412728 | 2.1554451 |
| ENTAGE | -.53627734E-01 | .12387647 |
| INCOME | -.15611452E-03 | .28105951E-03 |
| SEX | 2.0616059 | 1.1212921 |
| ETH2 | 7.7241153 | 2.3992219 |
| OCCUP | -.85765530E-01 | .38615366 |
| NOINC | -5.321896 | 5.1443767 |
| NOOCCUP | 2.4451478 | 6.2678551 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .14470147 | .66492308E-01 |
| NOFEW | 3.1521626 | 2.3313059 |
| ENTAGE | -.97602492E-01 | .14656053 |
| INCOME | -.19112561E-04 | .31077745E-03 |
| SEX | -.14712804 | 1.2717681 |
| ETH2 | 1.4106575 | 3.4017137 |
| OCCUP | .25384174 | .43797499 |
| NOINC | -4.1234146 | 6.9669442 |
| NOOCCUP | 2.3131169 | 7.1069933 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .12522004 | .69133836E-01 |
| NOFEW | .53478702 | 2.4239212 |
| ENTAGE | -.46209754E-01 | .14608217 |
| INCOME | -.10573146E-03 | .33144147E-03 |
| SEX | 1.0785910 | 1.3222914 |
| ETH2 | -3.8899246 | 3.5368536 |
| OCCUP | .50374885 | .45537434 |
| NOINC | -3.8757686 | 7.2457982 |
| NOOCCUP | 3.9015809 | 7.3914110 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .72556347E-01 | .56045131E-01 |
| NOFEW | 3.9514460 | 1.9650144 |
| ENTAGE | .60341222E-02 | .11842524 |
| INCOME | -.16857420E-03 | .26869159E-03 |
| SEX | .20296994 | 1.0719497 |
| ETH2 | 2.4248645 | 2.8672413 |
| OCCUP | .14704197 | .36916698 |
| NOINC | -3.4725742 | 5.8739936 |
| NOOCCUP | .47221556 | 5.9920384 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .84026335E-01 | .34271501E-01 |
| NOFEW | 1.5550601 | 1.2016029 |
| ENTAGE | -.81784746E-01 | .72416860E-01 |
| INCOME | -.23801649E-05 | .16430445E-03 |
| SEX | .73246466 | .65549540 |
| ETH2 | 3.6563568 | 1.7533131 |
| OCCUP | -.14348071 | .22574131 |
| NOINC | 5.1958102 | 3.5919370 |
| NOOCCUP | -6.9164779 | 3.6641212 |

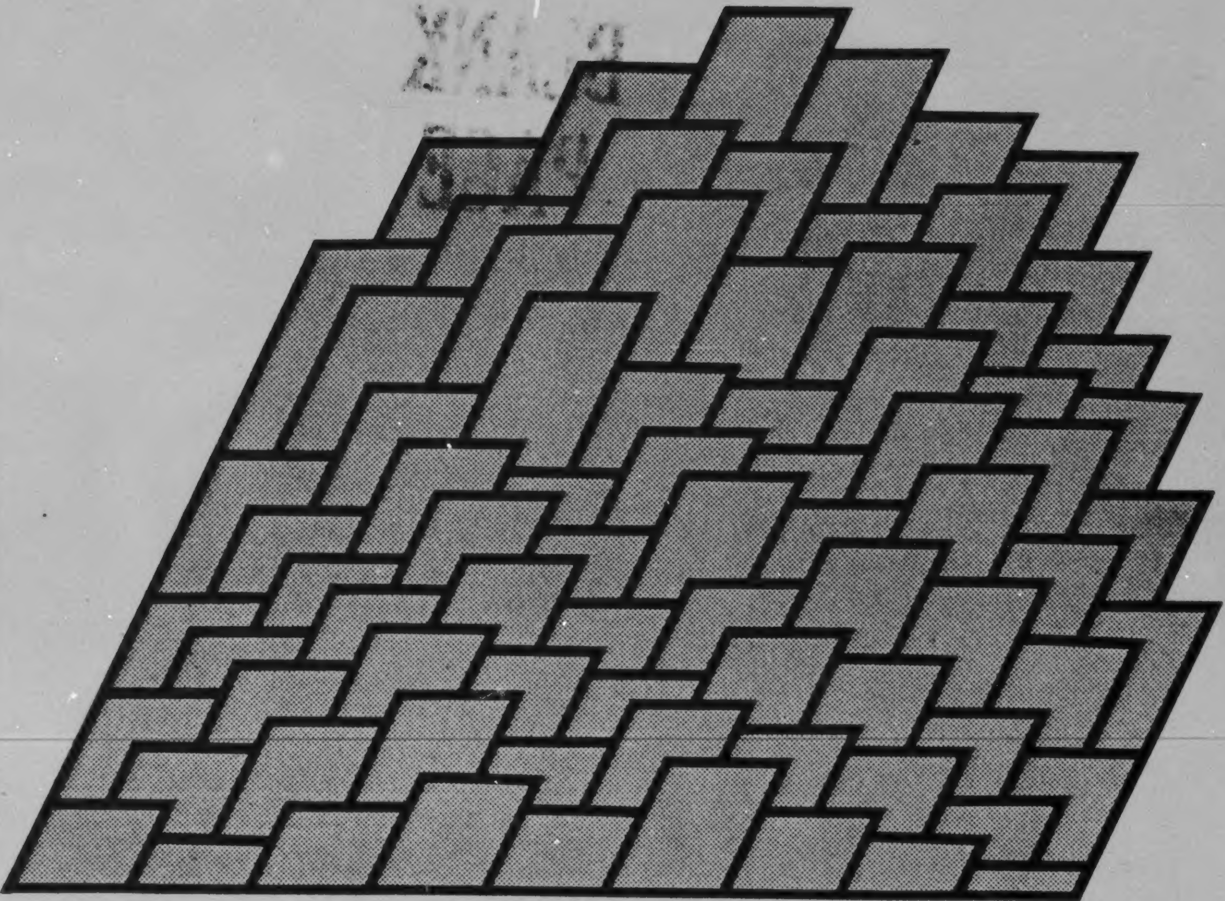
### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .94292244E-01 | .57600406E-01 |
| NOFEW | 1.4429921 | 2.0215480 |
| ENTAGE | -.50133908E-01 | .12183442 |
| INCOME | -.34515782E-04 | .27643555E-03 |
| SEX | .54946589 | 1.1028443 |
| ETH2 | 4.3305951 | 2.9498780 |
| OCCUP | -.14567624 | .37940056 |
| NOINC | -6.5049539 | 6.0432879 |
| NOOCCUP | 5.7453642 | 6.1647348 |

# Education as Experimentation: A Planned Variation Model

## Volume IV-C
## Appendices Part II

PS 009727



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# EDUCATION AS EXPERIMENTATION: A PLANNED VARIATION MODEL

## VOLUME IV-C

## APPENDICES

## PART II

15 April 1977

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## INDEX OF TABLES

## VOLUME IVC

Table Page

Distribution of Household Income by FT/NFT

C1-1 for Cohort III Kindergarten Analytic Sample 3
C1-6 for Cohort III Entering First Analytic Sample 13
C1-11 for Cohort II Entering First Analytic Sample 18

Distribution of Mother's Education by FT/NFT

C1-2 for Cohort III Kindergarten Analytic Sample 5
C1-7 for Cohort III Entering First Analytic Sample 14
C1-12 for Cohort II Entering First Analytic Sample 19

Distribution of Father's Education by FT/NFT

C1-3 for Cohort III Kindergarten Analytic Sample 7
C1-8 for Cohort III Entering First Analytic Sample 15
C1-13 for Cohort II Entering First Analytic Sample 20

Distribution of Mother's Occupation by FT/NFT

C1-4 for Cohort III Kindergarten Analytic Sample 9
C1-9 for Cohort III Entering First Analytic Sample 16
C1-14 for Cohort II Entering First Analytic Sample 21

Distribution of Father's Occupation by FT/NFT

C1-5 for Cohort III Kindergarten Analytic Sample 11
C1-10 for Cohort III Entering First Analytic Sample 17
C1-15 for Cohort II Entering First Analytic Sample 22

Values of Socioeconomic and Ethnic-Linguistic Discrepancy Indices

C1-16 for Cohort III-K(PS) 23
C1-17 for Cohort III-EF 25
C1-18 for Cohort II-K 26
C1-19 for Cohort II-EF 28

| Table | | Page |
|---|---|---|
| | Range of Background Variables for Each Quarter in Socioeconomic Discrepancy Index | |
| C1-20 | for Cohort III-K(PS) | 29 |
| C1-22 | for Cohort III-EF | 31 |
| C1-24 | for Cohort II-K | 33 |
| C1-26 | for Cohort II-EF | 35 |
| | Range of Background Variables for Each Quarter in Ethnic-Linguistic Discrepancy Index | |
| C1-21 | for Cohort III-K(PS) | 30 |
| C1-23 | for Cohort III-EF | 32 |
| C1-25 | for Cohort II-K | 34 |
| C1-27 | for Cohort II-EF | 36 |
| | Treatment Regression Coefficients and Standard Errors by Outcome | |
| C1-28 | for the Preschool Blocked Local Analysis of Cohort III-K | 37 |
| C1-29 | for the Preschool Blocked Pooled Analysis of Cohort III-K | 39 |

Table Page

Ethnic Distribution of Children

in the Cohort III Kindergarten Sites

C2-IIIK-1 in the Responsive Education Model 43
C3-IIIK-1 in the TEEM Model 115
C4-IIIK-1 in the Bank Street Model 187
C5-IIIK-1 in the Direct Instruction Model 255
C6-IIIK-1 in the Behavior Analysis Model 349
C7-IIIK-1 in the Cognitive Curriculum Model 397
C8-IIIK-1 in the Parent Education Model 467
C9-IIIK-1 in the EDC Model 537
C11-IIIK-1 in the IELP Model 611
C12-IIIK-1 in the ILM Model 653
C13-IIIK-1 in the SEDL Model 691
C14-IIIK-1 in the CLA Model 735
C15-IIIK-1 in the Home-School Partnership Model 773
C16-IIIK-1 in the Cal Process Model 809
C17-IIIK-1 in the NSA Model 851

in the Cohort III Entering First Sites

C2-IIIEF-1 in the Responsive Education Model 87
C3-IIIEF-1 in the TEEM Model 159
C5-IIIEF-1 in the Direct Instruction Model 297
C18-IIIEF-1 in the Mathemagenic Model 889

in the Cohort II Entering First Sites

C4-IIEF-1 in the Bank Street Model 229
C5-IIEF-1 in the Direct Instruction Model 322
C7-IIEF-1 in the Cognitive Curriculum Model 439
C8-IIEF-1 in the Parent Education Model 509
C9-IIEF-1 in the EDC Model 579

**Table** **Page**

## Distribution of Background Variables

### Cohort III Kindergarten Children

| Table | | Page |
|---|---|---|
| C2-IIIK-2 | for the Responsive Education Model | 44 |
| C3-IIIK-2 | for the TEEM Model | 116 |
| C4-IIIK-2 | for the Bank Street Model | 188 |
| C5-IIIK-2 | for the Direct Instruction Model | 256 |
| C6-IIIK-2 | for the Behavior Analysis Model | 350 |
| C7-IIIK-2 | for the Cognitive Curriculum Model | 398 |
| C8-IIIK-2 | for the Parent Education Model | 468 |
| C9-IIIK-2 | for the EDC Model | 538 |
| C11-IIIK-2 | for the IELP Model | 612 |
| C12-IIIK-2 | for the ILM Model | 654 |
| C13-IIIK-2 | for the SEDL Model | 692 |
| C14-IIIK-2 | for the CLA Model | 736 |
| C15-IIIK-2 | for the Home-School Partnership Model | 774 |
| C16-IIIK-2 | for the Cal Process Model | 810 |
| C17-IIIK-2 | for the NSA Model | 852 |

### Cohort III Entering First Sites

| Table | | Page |
|---|---|---|
| C2-IIIEF-2 | for the Responsive Education Model | 88 |
| C3-IIIEF-2 | for the TEEM Model | 160 |
| C5-IIIEF-2 | for the Direct Instruction Model | 298 |
| C18-IIIEF-2 | for the Mathemagenic Model | 890 |

### Cohort II Entering First Sites

| Table | | Page |
|---|---|---|
| C4-IIEF-2 | for the Bank Street Model | 230 |
| C5-IIEF-2 | for the Direct Instruction Model | 323 |
| C7-IIEF-2 | for the Cognitive Curriculum Model | 440 |
| C8-IIEF-2 | for the Parent Education Model | 510 |
| C9-IIEF-2 | for the EDC Model | 580 |

Table Page

Teacher Background Characteristics

for Cohort III-K Sites

C2-IIIK-3 in Responsive Education Model 45
C3-IIIK-3 in the TEEM Model 117
C4-IIIK-3 in the Bank Street Model 189
C5-IIIK-3 in the Direct Instruction Model 257
C6-IIIK-3 in the Behavior Analysis Model 351
C7-IIIK-3 in the Cognitive Curriculum Model 399
C8-IIIK-3 in the Parent Education Model 469
C9-IIIK-3 in the EDC Model 539
C11-IIIK-3 in the IELP Model 613
C12-IIIK-3 in the ILM Model 655
C13-IIIK-3 in the SEDL Model 693
C14-IIIK-3 in the CLA Model 737
C15-IIIK-3 in the Home-School Partnership Model 775
C16-IIIK-3 in the Cal Process Model 811
C17-IIIK-3 in the NSA Model 853

for Cohort III-E Sites

C2-IIIEF-3 in the Responsive Education Model 89
C3-IIIEF-3 in the TEEM Model 161
C5-IIIEF-3 in the Direct Instruction Model 299
C18-IIIEF-3 in the Mathemagenic Model 891

for Cohort II-E Sites

C4-IIEF-3 in the Bank Street Model 231
C5-IIEF-3 in the Direct Instruction Model 324
C7-IIEF-3 in the Cognitive Curriculum Model 441
C8-IIEF-3 in the Parent Education Model 511
C9-IIEF-3 in the EDC Model 581

Table Page

Standardized Scores on Teacher Clusters

(Spring 1975) for the Cohort III Kindergarten Sites

C2-IIIK-4 in the Responsive Education Model 46
C3-IIIK-4 in the TEEM Model 118
C4-IIIK-4 in the Bank Street Model 190
C5-IIIK-4 in the Direct Instruction Model 258
C6-IIIK-4 in the Behavior Analysis Model 352
C7-IIIK-4 in the Cognitive Curriculum Model 400
C8-IIIK-4 in the Parent Education Model 470
C9-IIIK-4 in the EDC Model 540
C11-IIIK4 in the IELP Model 614
C12-IIIK-4 in the ILM Model 656
C13-IIIK-4 in the SEDL Model 694
C14-IIIK-4 in the CLA Model 738
C15-IIIK-4 in the Home-School Partnership Model 776
C16-IIIK-4 in the Cal Process Model 812
C17-IIIK-4 in the NSA Model 854

(Spring 1974) for the Cohort III Entering First Sites

C2-IIIEF-4 in the Responsive Education Model 90
C3-IIIEF-4 in the TEEM Model 162
C5-IIIEF-4 in the Direct Instruction Model 300
C18-IIIEF-4 in the Mathemagenic Model 392

(Spring 1973) for the Cohort II Entering First Sites

C4-IIEF-4 in the Bank Street Model 232
C5-IIEF-4 in the Direct Instruction Model 325
C7-IIEF-4 in the Cognitive Curriculum Model 442
C8-IIEF-4 in the Parent Education Model 512
C9-IIEF-4 in the EDC Model 582

Table Page

Standardized Scores on Parent Factors

(Spring 1975) for the Cohort III Kindergarten Sites

C2-IIIK-5 in the Responsive Education Model 47
C3-IIIK-5 in the TEEM Model 119
C4-IIIK-5 in the Bank Street Model 191
C5-IIIK-5 in the Direct Instruction Model 259
C6-IIIK-5 in the Behavior Analysis Model 353
C7-IIIK-5 in the Cognitive Curriculum Model 401
C8-IIIK-5 in the Parent Education Model 471
C9-IIIK-5 in the EDC Model 541
C11-IIIK-5 in the IELP Model 615
C12-IIIK-5 in the ILM Model 657
C13-IIIK-5 in the SEDL Model 695
C14-IIIK-5 in the CLA Model 739
C15-IIIK-5 in the Home-School Partnership Model 777
C16-IIIK-5 in the Cal Process Model 813
C17-IIIK-5 in the NSA Model 855

(Spring 1974) for the Cohort III Entering First Sites

C2-IIIEF-5 in the Responsive Education Model 91
C3-IIIEF-5 in the TEEM Model 163
C5-IIIEF-5 in the Direct Instruction Model 301
C18-IIIEF-5 in the Mathemagenic Model 893

(Spring 1973) for the Cohort II Entering First Sites

C5-IIEF-5 in the Direct Instruction Model 326
C7-IIEF-5 in the Cognitive Curriculum Model 443
C8-IIEF-5 in the Parent Education Model 513
C9-IIEF-5 in the EDC Model 583

| Table | | Page |
|---|---|---|
| | Proportion of Attrition and Descriptive Information | |
| C2-IIIK-6 | for the Responsive Education Model | 48 |
| C3-IIIK-6 | for the TEEM Model | 120 |
| C4-IIIK-6 | for the Bank Street Model | 192 |
| C5-IIIK-6 | for the Direct Instruction Model | 260 |
| C6-IIIK-6 | for the Behavior Analysis Model | 358 |
| C7-IIIK-6 | for the Cognitive Curriculum Model | 402 |
| C8-IIIK-6 | for the Parent Education Model | 472 |
| C9-IIIK-6 | for the EDC Model | 542 |
| C11-IIIK-6 | for the IELP Model | 616 |
| C12-IIIK-6 | for the ILM Model | 658 |
| C13-IIIK-6 | for the SEDL Model | 696 |
| C14-IIIK-6 | for the CLA Model | 740 |
| C15-IIIK-6 | for the Home-School Partnership Model | 778 |
| C16-IIIK-6 | for the Cal Process Model | 814 |
| C17-IIIK-6 | for the NSA Model | 856 |

**Table** **Page**

**Adjusted Differences Between FT and NFT on the MAT Word Knowledge**

for Cohort III Kindergarten Sites

C2-IIIK-7 in the Responsive Education Model 49
C3-IIIK-7 in the TEEM Model 121
C4-IIIK-7 in the Bank Street Model 193
C5-IIIK-7 in the Direct Instruction Model 261
C6-IIIK-7 in the Behavior Analysis Model 355
C7-IIIK-7 in the Cognitive Curriculum Model 403
C8-IIIK-7 in the Parent Education Model 473
C9-IIIK-7 in the EDC Model 543
C11-IIIK-7 in the IELP Model 617
C12-IIIK-7 in the ILM Model 659
C13-IIIK-7 in the SEDL Model 697
C14-IIIK-7 in the CLA Model 741
C15-IIIK-7 in the Home-School Partnership Model 779
C16-IIIK-7 in the Cal Process Model 815
C17-IIIK-7 in the NSA Model 857

for Cohort III Entering First Sites

C2-IIIEF-7 in the Responsive Education Model 92
C3-IIIEF-7 in the TEEM Model 164
C5-IIIEF-7 in the Direct Instruction Model 302
C18-IIIEF-7 in the Mathemagenic Model 894

for Cohort II Entering First Sites

C4-IIEF-7 in the Bank Street Model 233
C5-IIEF-7 in the Direct Instruction Model 327
C7-IIEF-7 in the Cognitive Curriculum Model 444
C8-IIEF-7 in the Parent Education Model 514
C9-IIEF-7 in the EDC Model 584

Table Page

Adjusted Differences Between FT and NFT on the MAT Spelling

for Cohort III Kindergarten Sites

C2-IIIK-8 in the Responsive Education Model 50
C3-IIIK-8 in the TEEM Model 122
C4-IIIK-8 in the Bank Street Model 194
C5-IIIK-8 in the Direct Instruction Model 262
C6-IIIK-8 in the Behavior Analysis Model 356
C7-IIIK-8 in the Cognitive Curriculum Model 404
C8-IIIK-8 in the Parent Education Model 474
C9-IIIK-8 in the EDC Model 544
C11-IIIK-8 in the IELP Model 618
C12-IIIK-8 in the ILM Model 660
C13-IIIK-8 in the SEDL Model 698
C14-IIIK-8 in the CLA Model 742
C15-IIIK-8 in the Home-School Partnership Model 780
C16-IIIK-8 in the Cal Process Model 816
C17-IIIK-8 in the NSA Model 858

for Cohort III Entering First Sites

C2-IIIEF-8 in the Responsive Education Model 93
C3-IIIEF-8 in the TEEM Model 165
C5-IIIEF-8 in the Direct Instruction Model 303
C18-IIIEF-8 in the Mathemagenic Model 895

for Cohort II Entering First Sites

C4-IIEF-8 in the Bank Street Model 234
C5-IIEF-8 in the Direct Instruction Model 328
C7-IIEF-8 in the Cognitive Curriculum Model 445
C8-IIEF-8 in the Parent Education Model 515
C9-IIEF-8 in the EDC Model 585

Table Page

Adjusted Differences Between FT and NFT on the MAT Language

for Cohort III Kindergarten Sites

C2-IIIK-9 in the Responsive Education Model 51
C3-IIIK-9 in the TEEM Model 123
C4-IIIK-9 in the Bank Street Model 195
C5-IIIK-9 in the Direct Instruction Model 263
C6-IIIK-9 in the Behavior Analysis Model 357
C7-IIIK-9 in the Cognitive Curriculum Model 405
C8-IIIK-9 in the Parent Education Model 475
C9-IIIK-9 in the EDC Model 545
C11-IIIK-9 in the IELP Model 619
C12-IIIK-9 in the ILM Model 661
C13-IIIK-9 in the SEDL Model 699
C14-IIIK-9 in the CLA Model 743
C15-IIIK-9 in the Home-School Partnership Model 781
C16-IIIK-9 in the Cal Process Model 817
C17-IIIK-9 in the NSA Model 850

for Cohort III Entering First Sites

C2-IIIEF-9 in the Responsive Education Model 94
C3-IIIEF-9 in the TEEM Model 166
C5-IIIEF-9 in the Direct Instruction Model 304
C18-IIIEF-9 in the Mathemagenic Model 896

for Cohort II Entering First Sites

C4-IIEF-9 in the Bank Street Model 235
C5-IIEF-9 in the Direct Instruction Model 329
C7-IIEF-9 in the Cognitive Curriculum Model 446
C8-IIEF-9 in the Parent Education Model 516
C9-IIEF-9 in the EDC Model 586

Table Page

Adjusted Differences Between FT and NFT on the MAT Mathematics Computations

for Cohort III Kindergarten Sites

C2-IIIK-10 in the Responsive Education Model 52
C3-IIIK-10 in the TEEM Model 124
C4-IIIK-10 in the Bank Street Model 196
C5-IIIK-10 in the Direct Instruction Model 264
C6-IIIK-10 in the Behavior Analysis Model 358
C7-IIIK-10 in the Cognitive Curriculum Model 406
C8-IIIK-10 in the Parent Education Model 476
C9-IIIK-10 in the EDC Model 546
C11-IIIK-10 in the IELP Model 620
C12-IIIK-10 in the ILM Model 662
C13-IIIK-10 in the SEDL Model 700
C14-IIIK-10 in the CLA Model 744
C15-IIIK-10 in the Home-School Partnership Model 782
C16-IIIK-10 in the Cal Process Model 818
C17-IIIK-10 in the NSA Model 860

for Cohort III Entering First Sites

C2-IIIEF-10 in the Responsive Education Model 95
C3-IIIEF-10 in the TEEM Model 167
C5-IIIEF-10 in the Direct Instruction Model 305
C18-IIIEF-10 in the Mathemagenic Model 897

for Cohort II Entering First Sites

C4-IIEF-10 in the Bank Street Model 236
C5-IIEF-10 in the Direct Instruction Model 330
C7-IIEF-10 in the Cognitive Curriculum Model 447
C8-IIEF-10 in the Parent Education Model 517
C9-IIEF-10 in the EDC Model 587

Table Page

Adjusted Differences Between FT and NFT on the Raven's Progressive Matrices

for Cohort III Kindergarten Sites

C2-IIIK-11 in the Responsive Education Model 53
C3-IIIK-11 in the TEEM Model 125
C4-IIIK-11 in the Bank Street Model 197
C5-IIIK-11 in the Direct Instruction Model 265
C6-IIIK-11 in the Behavior Analysis Model 359
C7-IIIK-11 in the Cognitive Curriculum Model 407
C8-IIIK-11 in the Parent Education Model 477
C9-IIIK-11 in the EDC Model 547
C11-IIIK-11 in the IELP Model 621
C12-IIIK-11 in the ILM Model 663
C13-IIIK-11 in the SEDL Model 701
C14-IIIK-11 in the CLA Model 745
C15-IIIK-11 in the Home-School Partnership Model 783
C16-IIIK-11 in the Cal Process Model 819
C17-IIIK-11 in the NSA Model 861

for Cohort III Entering First Sites

C2-IIIEF-11 in the Responsive Education Model 96
C3-IIIEF-11 in the TEEM Model 168
C5-IIIEF-11 in the Direct Instruction Model 306
C18-IIIEF-11 in the Mathemagenic Model 898

for Cohort II Entering First Sites

C4-IIEF-11 in the Bank Street Model 237
C5-IIEF-11 in the Direct Instruction Model 331
C7-IIEF-11 in the Cognitive Curriculum Model 448
C8-IIEF-11 in the Parent Education Model 518
C9-IIEF-11 in the EDC Model 588

Table Page

Adjusted Differences Between FT and NFT on the MAT Reading

for Cohort III Kindergarten Sites

C2-IIIK-12 in the Responsive Education Model 54
C3-IIIK-12 in the TEEM Model 126
C4-IIIK-12 in the Bank Street Model 198
C5-IIIK-12 in the Direct Instruction Model 266
C6-IIIK-12 in the Behavior Analysis Model 360
C7-IIIK-12 in the Cognitive Curriculum Model 408
C8-IIIK-12 in the Parent Education Model 478
C9-IIIK-12 in the EDC Model 548
C11-IIIK-12 in the IELP Model 622
C12-IIIK-12 in the ILM Model 664
C13-IIIK-12 in the SEDL Model 702
C14-IIIK-12 in the CLA Model 746
C15-IIIK-12 in the Home-School Partnership Model 784
C16-IIIK-12 in the Cal Process Model 820
C17-IIIK-12 in the NSA Model 862

for Cohort III Entering First Sites

C2-IIIEF-12 in the Responsive Education Model 97
C3-IIIEF-12 in the TEEM Model 169
C5-IIIEF-12 in the Direct Instruction Model 307
C18-IIIEF-12 in the Mathemagenic Model 899

for Cohort II Entering First Sites

C4-IIEF-12 in the Bank Street Model 238
C5-IIEF-12 in the Direct Instruction Model 332
C7-IIEF-12 in the Cognitive Curriculum Model 449
C8-IIEF-12 in the Parent Education Model 519
C9-IIEF-12 in the EDC Model 589

| Table | | Page |
|---|---|---|
| | **Adjusted Differences Between FT and NFT on the MAT Mathematics Concepts** | |
| | for Cohort III Kindergarten Sites | |
| C2-IIIK-13 | in the Responsive Education Model | 55 |
| C3-IIIK-13 | in the TEEM Model | 127 |
| C4-IIIK-13 | in the Bank Street Model | 199 |
| C5-IIIK-13 | in the Direct Instruction Model | 267 |
| C6-IIIK-13 | in the Behavior Analysis Model | 361 |
| C7-IIIK-13 | in the Cognitive Curriculum Model | 409 |
| C8-IIIK-13 | in the Parent Education Model | 479 |
| C9-IIIK-13 | in the EDC Model | 549 |
| C11-IIIK-13 | in the IELP Model | 623 |
| C12-IIIK-13 | in the ILM Model | 665 |
| C13-IIIK-13 | in the SEDL Model | 703 |
| C14-IIIK-13 | in the CLA Model | 747 |
| C15-IIIK-13 | in the Home-School Partnership Model | 785 |
| C16-IIIK-13 | in the Cal Process Model | 821 |
| C17-IIIK-13 | in the NSA Model | 863 |
| | for Cohort III Entering First Sites | |
| C2-IIIEF-13 | in the Responsive Education Model | 98 |
| C3-IIIEF-13 | in the TEEM Model | 170 |
| C5-IIIEF-13 | in the Direct Instruction Model | 308 |
| C18-IIIEF-13 | in the Mathemagenic Model | 900 |
| | for Cohort II Entering First Sites | |
| C4-IIEF-13 | in the Bank Street Model | 239 |
| C5-IIEF-13 | in the Direct Instruction Model | 333 |
| C7-IIEF-13 | in the Cognitive Curriculum Model | 450 |
| C8-IIEF-13 | in the Parent Education Model | 520 |
| C9-IIEF-13 | in the EDC Model | 590 |

Table | Page

Adjusted Differences Between FT and NFT on the MAT Mathematics Problem-Solving

for Cohort III Kindergarten Sites

C2-IIIK-14 in the Responsive Education Model 56
C3-IIIK-14 in the TEEM Model 128
C4-IIIK-14 in the Bank Street Model 200
C5-IIIK-14 in the Direct Instruction Model 268
C6-IIIK-14 in the Behavior Analysis Model 362
C7-IIIK-14 in the Cognitive Curriculum Model 410
C8-IIIK-14 in the Parent Education Model 480
C9-IIIK-14 in the EDC Model 550
C11-IIIK-14 in the IELP Model 624
C12-IIIK-14 in the ILM Model 666
C13-IIIK-14 in the SEDL Model 704
C14-IIIK-14 in the CLA Model 748
C15-IIIK-14 in the Home-School Partnership Model 786
C16-IIIK-14 in the Cal Process Model 822
C17-IIIK-14 in the NSA Model 864

for Cohort III Entering First Sites

C2-IIIEF-14 in the Responsive Education Model 99
C3-IIIEF-14 in the TEEM Model 171
C5-IIIEF-14 in the Direct Instruction Model 309
C18-IIIEF-14 in the Mathemagenic Model 901

for Cohort II Entering First Sites

C4-IIEF-14 in the Bank Street Model 240
C5-IIEF-14 in the Direct Instruction Model 334
C7-IIEF-14 in the Cognitive Curriculum Model 451
C8-IIEF-14 in the Parent Education Model 521
C9-IIEF-14 in the EDC Model 591

**Table** **Page**

Adjusted Differences Between FT and NFT on the Coopersmith Self-Esteem Inventory

for Cohort III Kindergarten Sites

C2-IIIK-15 in the Responsive Education Model 57
C3-IIIK-15 in the TEEM Model 129
C4-IIIK-15 in the Bank Street Model 201
C5-IIIK-15 in the Direct Instruction Model 269
C6-IIIK-15 in the Behavior Analysis Model 363
C7-IIIK-15 in the Cognitive Curriculum Model 411
C8-IIIK-15 in the Parent Education Model 481
C9-IIIK-15 in the EDC Model 551
C11-IIIK-15 in the IELP Model 625
C12-IIIK-15 in the ILM Model 667
C13-IIIK-15 in the SEDL Model 705
C14-IIIK-15 in the CLA Model 749
C15-IIIK-15 in the Home-School Partnership Model 787
C16-IIIK-15 in the Cal Process Model 823
C17-IIIK-15 in the NSA Model 865

for Cohort III Entering First Sites

C2-IIIEF-15 in the Responsive Education Model 100
C3-IIIEF-15 in the TEEM Model 172
C5-IIIEF-15 in the Direct Instruction Model 310
C18-IIIEF-15 in the Mathemagenic Model 902

for Cohort II Entering First Sites

C4-IIEF-15 in the Bank Street Model 241
C5-IIEF-15 in the Direct Instruction Model 335
C7-IIEF-15 in the Cognitive Curriculum Model 452
C8-IIEF-15 in the Parent Education Model 522
C9-IIEF-15 in the EDC Model 592

Table | Page

Adjusted Differences Between FT and NFT on the Intellectual Achievement Responsibility Scale-Negative

for Cohort III Kindergarten Sites

C2-IIIK-16 in the Responsive Education Model 58
C3-IIIK-16 in the TEEM Model 130
C4-IIIK-16 in the Bank Street Model 202
C5-IIIK-16 in the Direct Instruction Model 270
C6-IIIK-16 in the Behavior Analysis Model 364
C7-IIIK-16 in the Cognitive Curriculum Model 412
C8-IIIK-16 in the Parent Education Model 482
C9-IIIK-16 in the EDC Model 552
C11-IIIK-16 in the IELP Model 626
C12-IIIK-16 in the ILM Model 668
C13-IIIK-16 in the SEDL Model 706
C14-IIIK-16 in the CLA Model 750
C15-IIIK-16 in the Home-School Partnership Model 788
C16-IIIK-16 in the Cal Process Model 824
C17-IIIK-16 in the NSA Model 866

for Cohort III Entering First Sites

C2-IIIEF-16 in the Responsive Education Model 101
C3-IIIEF-16 in the TEEM Model 173
C5-IIIEF-16 in the Direct Instruction Model 311
C18-IIIEF-16 in the Mathemagenic Model 903

for Cohort II Entering First Sites

C4-IIEF-16 in the Bank Street Model 242
C5-IIEF-16 in the Direct Instruction Model 336
C7-IIEF-16 in the Cognitive Curriculum Model 453
C8-IIEF-16 in the Parent Education Model 523
C9-IIEF-16 in the EDC Model 593

**Table** **Page**

**Adjusted Differences Between FT and NFT on the Intellectual Achievement Responsibility Scale-Positive**

for Cohort III Kindergarten Sites

| Table | | Page |
|---|---|---|
| C2-IIIK-17 | in the Responsive Education Model | 59 |
| C3-IIIK-17 | in the TEEM Model | 131 |
| C4-IIIK-17 | in the Bank Street Model | 203 |
| C5-IIIK-17 | in the Direct Instruction Model | 271 |
| C6-IIIK-17 | in the Behavior Analysis Model | 365 |
| C7-IIIK-17 | in the Cognitive Curriculum Model | 413 |
| C8-IIIK-17 | in the Parent Education Model | 483 |
| C9-IIIK-17 | in the EDC Model | 553 |
| C11-IIIK-17 | in the IELP Model | 627 |
| C12-IIIK-17 | in the ILM Model | 669 |
| C13-IIIK-17 | in the SEDL Model | 707 |
| C14-IIIK-17 | in the CLA Model | 751 |
| C15-IIIK-17 | in the Home-School Partnership Model | 789 |
| C16-IIIK-17 | in the Cal Process Model | 825 |
| C17-IIIK-17 | in the NSA Model | 867 |

for Cohort III Entering First Sites

| Table | | Page |
|---|---|---|
| C2-IIIEF-17 | in the Responsive Education Model | 102 |
| C3-IIIEF-17 | in the TEEM Model | 174 |
| C5-IIIEF-17 | in the Direct Instruction Model | 312 |
| C18-IIIEF-12 | in the Mathemagenic Model | 904 |

for Cohort II Entering First Sites

| Table | | Page |
|---|---|---|
| C4-IIEF-17 | in the Bank Street Model | 243 |
| C5-IIEF-17 | in the Direct Instruction Model | 337 |
| C7-IIEF-17 | in the Cognitive Curriculum Model | 454 |
| C8-IIEF-17 | in the Parent Education Model | 524 |
| C9-IIEF-17 | in the EDC Model | 594 |

| Table | | Page |
|---|---|---|
| | Adjusted Differences Between FT and NFT on the MAT Total Reading | |
| | for Cohort III Kindergarten Sites | |
| C2-IIIK-18 | in the Responsive Education Model | 60 |
| C3-IIIK-18 | in the TEEM Model | 132 |
| C4-IIIK-18 | in the Bank Street Model | 204 |
| C5-IIIK-18 | in the Direct Instruction Model | 272 |
| C6-IIIK-18 | in the Behavior Analysis Model | 366 |
| C7-IIIK-18 | in the Cognitive Curriculum Model | 414 |
| C8-IIIK-18 | in the Parent Education Model | 484 |
| C9-IIIK-18 | in the EDC Model | 554 |
| C11-IIIK-18 | in the IELP Model | 628 |
| C12-IIIK-18 | in the ILM Model | 670 |
| C13-IIIK-18 | in the SEDL Model | 708 |
| C14-IIIK-18 | in the CLA Model | 752 |
| C15-IIIK-18 | in the Home-School Partnership Model | 790 |
| C16-IIIK-18 | in the Cal Process Model | 826 |
| C17-IIIK-18 | in the NSA Model | 868 |
| | for Cohort III Entering First Sites | |
| C2-IIIEF-18 | in the Responsive Education Model | 103 |
| C3-IIIEF-18 | in the TEEM Model | 175 |
| C5-IIIEF-18 | in the Direct Instruction Model | 313 |
| C18-IIIEF-18 | in the Mathemagenic Model | 905 |
| | for Cohort II Entering First Sites | |
| C4-IIEF-18 | in the Bank Street Model | 244 |
| C5-IIEF-18 | in the Direct Instruction Model | 338 |
| C7-IIEF-18 | in the Cognitive Curriculum Model | 455 |
| C8-IIEF-18 | in the Parent Education Model | 525 |
| C9-IIEF-18 | in the EDC Model | 595 |

Table Page

Adjusted Differences Between FT and NFT on the MAT Total Math

for Cohort III Kindergarten Sites

C2-IIIK-19 in the Responsive Education Model 61
C3-IIIK-19 in the TEEM Model 133
C4-IIIK-19 in the Bank Street Model 205
C5-IIIK-19 in the Direct Instruction Model 273
C6-IIIK-19 in the Behavior Analysis Model 367
C7-IIIK-19 in the Cognitive Curriculum Model 415
C8-IIIK-19 in the Parent Education Model 485
C9-IIIK-19 in the EDC Model 555
C11-IIIK-19 in the IELP Model 629
C12-IIIK-19 in the ILM Model 671
C13-IIIK-19 in the SEDL Model 709
C14-IIIK-19 in the CLA Model 753
C15-IIIK-19 in the Home-School Partnership Model 791
C16-IIIK-19 in the Cal Process Model 827
C17-IIIK-19 in the NSA Model 869

for Cohort III Entering First Sites

C2-IIIEF-19 in the Responsive Education Model 104
C3-IIIEF-19 in the TEEM Model 176
C5-IIIEF-19 in the Direct Instruction Model 314
C18-IIIEF-19 in the Mathemagenic Model 906

for Cohort II Entering First Sites

C4-IIEF-19 in the Bank Street Model 245
C5-IIEF-19 in the Direct Instruction Model 339
C7-IIEF-19 in the Cognitive Curriculum Model 456
C8-IIEF-19 in the Parent Education Model 526
C9-IIEF-19 in the EDC Model 596

Table Page

Adjusted Differences Between FT and NFT on the MAT Language Part A

for Cohort III Kindergarten Sites

C2-IIIK-20 in the Responsive Education Model 62
C3-IIIK-20 in the TEEM Model 134
C4-IIIK-20 in the Bank Street Model 206
C5-IIIK-20 in the Direct Instruction Model 274
C6-IIIK-20 in the Behavior Analysis Model 368
C7-IIIK-20 in the Cognitive Curriculum Model 416
C8-IIIK-20 in the Parent Education Model 486
C9-IIIK-20 in the EDC Model 556
C11-IIIK-20 in the IELP Model 630
C12-IIIK-20 in the ILM Model 672
C13-IIIK-20 in the SEDL Model 710
C14-IIIK-20 in the CLA Model 754
C15-IIIK-20 in the Home-School Partnership Model 792
C16-IIIK-20 in the Cal Process Model 828
C17-IIIK-20 in the NSA Model 870

for Cohort III Entering First Sites

C2-IIIEF-20 in the Responsive Education Model 105
C3-IIIEF-20 in the TEEM Model 177
C5-IIIEF-20 in the Direct Instruction Model 315
C18-IIIEF-20 in the Mathemagenic Model 907

for Cohort II Entering First Sites

C4-IIEF-20 in the Bank Street Model 246
C5-IIEF-20 in the Direct Instruction Model 340
C7-IIEF-20 in the Cognitive Curriculum Model 457
C8-IIEF-20 in the Parent Education Model 527
C9-IIEF-20 in the EDC Model 597

**Table** **Page**

Adjusted Differences Between FT and NFT on the MAT Language Part B

for Cohort III Kindergarten Sites

| Table | | Page |
|---|---|---|
| C2-IIIK-21 | in the Responsive Education Model | 63 |
| C3-IIIK-21 | in the TEEM Model | 135 |
| C4-IIIK-21 | in the Bank Street Model | 207 |
| C5-IIIK-21 | in the Direct Instruction Model | 275 |
| C6-IIIK-21 | in the Behavior Analysis Model | 369 |
| C7-IIIK-21 | in the Cognitive Curriculum Model | 417 |
| C8-IIIK-21 | in the Parent Education Model | 487 |
| C9-IIIK-21 | in the EDC Model | 557 |
| C11-IIIK-21 | in the IELP Model | 621 |
| C12-IIIK-21 | in the ILM Model | 673 |
| C13-IIIK-21 | in the SEDL Model | 711 |
| C14-IIIK-21 | in the CLA Model | 755 |
| C15-IIIK-21 | in the Home-School Partnership Model | 793 |
| C16-IIIK-21 | in the Cal Process Model | 829 |
| C17-IIIK-21 | in the NSA Model | 871 |

for Cohort III Entering First Sites

| Table | | Page |
|---|---|---|
| C2-IIIEF-21 | in the Responsive Education Model | 106 |
| C3-IIIEF-21 | in the TEEM Model | 178 |
| C5-IIIEF-21 | in the Direct Instruction Model | 316 |
| C18-IIIEF-21 | in the Mathemagenic Model | 908 |

for Cohort II Entering First Sites

| Table | | Page |
|---|---|---|
| C4-IIEF-21 | in the Bank Street Model | 247 |
| C5-IIEF-21 | in the Direct Instruction Model | 341 |
| C7-IIEF-21 | in the Cognitive Curriculum Model | 458 |
| C8-IIEF-21 | in the Parent Education Model | 528 |
| C9-IIEF-21 | in the EDC Model | 598 |

Table Page

Standardized Scores for MAT Reading, Mathematics, Language and Spelling Subtests

Cohort III Kindergarten Children

C2-IIIK-22 for the Responsive Education Model 64
C3-IIIK-22 for the TEEM Model 136
C4-IIIK-22 for the Bank Street Model 208
C5-IIIK-22 for the Direct Instruction Model 276
C6-IIIK-22 for the Behavior Analysis Model 370
C7-IIIK-22 for the Cognitive Curriculum Model 418
C8-IIIK-22 for the Parent Education Model 388
C9-IIIK-22 for the EDC Model 558
C11-IIIK-22 for the IELP Model 632
C12-IIIK-22 for the ILM Model 674
C13-IIIK-22 for the SEDL Model 712
C14-IIIK-22 for the CLA Model 756
C15-IIIK-22 for the Home-School Partnership Model 794
C16-IIIK-22 for the Cal Process Model 820
C17-IIIK-22 for the NSA Model 872

Cohort III Kindergarten Children with Head Start

C2-IIIK(PS)-22 for the Responsive Education Model 65
C3-IIIK(PS)-22 for the TEEM Model 137
C4-IIIK(PS)-22 for the Bank Street Model 209
C5-IIIK(PS)-22 for the Direct Instruction Model 277
C6-IIIK(PS)-22 for the Behavior Analysis Model 371
C7-IIIK(PS)-22 for the Cognitive Curriculum Model 419
C8-IIIK(PS)-22 for the Parent Education Model 489
C9-IIIK(PS)-22 for the EDC Model 559
C11-IIIK(PS)-22 for the IELP Model 633
C12-IIIK(PS)-22 for the ILM Model 675
C13-IIIK(PS)-22 for the SEDL Model 713
C14-IIIK(PS)-22 for the CLA Model 757
C15-IIIK(PS)-22 for the Home-School Partnership Model 795
C16-IIIK(PS)-22 for the Cal Process Model 831
C17-IIIK(PS)-22 for the NSA Model 873

| Table | | Page |
|---|---|---|
| | Standardized Scores for MAT Reading, Mathematics, Language and Spelling Subtests (cont.) | |
| | Cohort III Entering First Sites | |
| C2-IIIEF-22 | in the Responsive Education Model | 107 |
| C3-IIIEF-22 | in the TEEM Model | 179 |
| C5-IIIEF-22 | in the Direct Instruction Model | 317 |
| C18-IIIEF-22 | in the Mathemagenic Model | 909 |
| | Cohort II Entering First Sites | |
| C4-IIEF-22 | in the Bank Street Model | 248 |
| C5-IIEF-22 | in the Direct Instruction Model | 342 |
| C7-IIEF-22 | in the Cognitive Curriculum Model | 459 |
| C8-IIEF-22 | in the Parent Education Model | 529 |
| C9-IIEF-22 | in the EDC Model | 599 |

Table Page

Means and Standard Deviations for the Covariates Used in the Analytic Sample

of the Cohort III Kindergarten Children

C2-IIIK-23 for the Responsive Education Model 66
C3-IIIK-23 for the TEEM Model 138
C4-IIIK-23 for the Bank Street Model 210
C5-IIIK-23 for the Direct Instruction Model 278
C6-IIIK-23 for the Behavior Analysis Model 372
C7-IIIK-23 for the Cognitive Curriculum Model 420
C8-IIIK-23 for the Parent Education Model 490
C9-IIIK-23 for the EDC Model 560
C11-IIIK-23 for the IELP Model 634
C12-IIIK-23 for the ILM Model 676
C13-IIIK-23 for the SEDL Model 714
C14-IIIK-23 for the CLA Model 758
C15-IIIK-23 for the Home-School Partnership Model 796
C16-IIIK-23 for the Cal Process Model 832
C17-IIIK-23 for the NSA Model 874

of the Cohort III Entering First Sites

C2-IIIEF-23 in the Responsive Education Model 108
C3-IIIEF-23 in the TEEM Model 180
C5-IIIEF-23 in the Direct Instruction Model 318
C18-IIIEF-23 in the Mathemagenic Model 910

of the Cohort II Entering First Sites

C4-IIEF-23 in the Bank Street Model 249
C5-IIEF-23 in the Direct Instruction Model 343
C7-IIEF-23 in the Cognitive Curriculum Model 460
C8-IIEF-23 in the Parent Education Model 530
C9-IIEF-23 in the EDC Model 600

Table Page

Means and Standard Deviations for the Outcome Means

for the Cohort III Kindergarten Children

C2-IIIK-24 in the Responsive Education Model 67
C3-IIIK-24 in the TEEM Model 139
C4-IIIK-24 in the Bank Street Model 211
C5-IIIK-24 in the Direct Instruction Model 279
C6-IIIK-24 in the Behavior Analysis Model 373
C7-IIIK-24 in the Cognitive Curriculum Model 421
C8-IIIK-24 in the Parent Education Model 491
C9-IIIK-24 in the EDC Model 561
C11-IIIK-24 in the IELP Model 635
C12-IIIK-24 in the ILM Model 677
C13-IIIK-24 in the SEDL Model 715
C14-IIIK-24 in the CLA Model 759
C15-IIIK-24 in the Home-School Partnership Model 797
C16-IIIK-24 in the Cal Process Model 833
C17-IIIK-24 in the NSA Model 875

Cohort III Entering First Sites

C2-IIIEF-24 in the Responsive Education Model 109
C3-IIIEF-24 in the TEEM Model 181
C5-IIIEF-24 in the Direct Instruction Model 319
C18-IIIEF-24 in the Mathemagenic Model 911

Cohort II Entering First Sites

C4-IIEF-24 in the Bank Street Model 250
C5-IIEF-24 in the Direct Instruction Model 344
C7-IIEF-24 in the Cognitive Curriculum Model 461
C8-IIEF-24 in the Parent Education Model 531
C9-IIEF-24 in the EDC Model 601

Table Page

Regression Coefficients for the Covariates Included

in the Cohort III-K Local Analyses

C2-IIIK-25 for the Responsive Education Model 68
C3-IIIK-25 for the TEEM Model 140
C4-IIIK-25 for the Bank Street Model 212
C5-IIIK-25 for the Direct Instruction Model 280
C6-IIIK-25 for the Behavior Analysis Model 374
C7-IIIK-25 for the Cognitive Curriculum Model 422
C8-IIIK-25 for the Parent Education Model 492
C9-IIIK-25 for the EDC Model 562
C11-IIIK-25 for the IELP Model 636
C12-IIIK-25 for the ILM Model 678
C13-IIIK-25 for the SEDL Model 716
C14-IIIK-25 for the CLA Model 760
C15-IIIK-25 for the Home-School Partnership Model 798
C16-IIIK-25 for the Cal Process Model 834
C17-IIIK-25 for the NSA Model 876

in the Cohort III-K Preschool Adjusted Local Analyses

C2-IIIK(PS)-25 for the Responsive Education Model 70
C3-IIIK(PS)-25 for the TEEM Model 142
C4-IIIK(PS)-25 for the Bank Street Model 214
C5-IIIK(PS)-25 for the Direct Instruction Model 282
C6-IIIK(PS)-25 for the Behavior Analysis Model 376
C7-IIIK(PS)-25 for the Cognitive Curriculum Model 424
C8-IIIK(PS)-25 for the Parent Education Model 494
C9-IIIK(PS)-25 for the EDC Model 564
C11-IIIK(PS)-25 for the IELP Model 638
C12-IIIK(PS)-25 for the ILM Model 680
C13-IIIK(PS)-25 for the SEDL Model 718
C14-IIIK(PS)-25 for the CLA Model 762
C15-IIIK(PS)-25 for the Home-School Partnership Model 800
C16-IIIK(PS)-25 for the Cal Process Model 836
C17-IIIK(PS)-25 for the NSA Model 878

Table Page

Regression Coefficients for the Covariates Included (cont.)

in the Cohort III-EF Local Analyses

C2-IIIEF-25 for the Responsive Education Model 110
C3-IIIEF-25 for the TEEM Model 182
C5-IIIEF-25 for the Direct Instruction Model 320
C18-IIIEF-25 for the Mathemagenic Model 912

in the Cohort II-EF Local Analyses

C4-IIEF-25 for the Bank Street Model 251
C5-IIEF-25 for the Direct Instruction Model 345
C7-IIEF-25 for the Cognitive Curriculum Model 462
C8-IIEF-25 for the Parent Education Model 532
C9-IIEF-25 for the EDC Model 602

980

Table Page

Treatment Regression Coefficients and Standard Errors by Outcome for Head Start Studies

of Cohort III-K Sites

C2-IIIK(PS)-26 in the Responsive Education Model 72
C3-IIIK(PS)-26 in the TEEM Model 144
C4-IIIK(PS)-26 in the Bank Street Model 216
C5-IIIK(PS)-26 in the Direct Instruction Model 284
C6-IIIK(PS)-26 in the Behavior Analysis Model 378
C7-IIIK(PS)-26 in the Cognitive Curriculum Model 426
C8-IIIK(PS)-26 in the Parent Education Model 496
C9-IIIK(PS)-26 in the EDC Model 575
C11-IIIK(PS)-26 in the IELP Model 640
C12-IIIK(PS)-26 in the ILM Model 682
C13-IIIK(PS)-26 in the SEDL Model 720
C14-IIIK(PS)-26 in the CLA Model 764
C15-IIIK(PS)-26 in the Home-School Partnership Model 802
C16-IIIK(PS)-26 in the Cal Process Model 838
C17-IIIK(PS)-26 in the NSA Model 880

**Table** **Page**

### Background Variables for FT and NFT Children in Cohort III-K Preschool Sample

| Table | | Page |
|---|---|---|
| C2-IIIK(PS)-27 | for Responsive Education Model | 73 |
| C3-IIIK(PS)-27 | for TEEM Model | 145 |
| C4-IIIK(PS)-27 | for Bank Street Model | 217 |
| C5-IIIK(PS)-27 | for Direct Instruction Model | 285 |
| C6-IIIK(PS)-27 | for Behavior Analysis Model | 379 |
| C7-IIIK(PS)-27 | for Cognitive Curriculum Model | 427 |
| C8-IIIK(PS)-27 | for Parent Education Model | 497 |
| C9-IIIK(PS)-27 | for EDC Model | 567 |
| C11-IIIK(PS)-27 | for IELP Model | 641 |
| C12-IIIK(PS)-27 | for ILM Model | 683 |
| C13-IIIK(PS)-27 | for SEDL Model | 721 |
| C14-IIIK(PS)-27 | for CLA Model | 765 |
| C15-IIIK(PS)-27 | for Home-School Partnership Model | 803 |
| C16-IIIK(PS)-27 | for Cal Process Model | 839 |
| C17-IIIK(PS)-27 | for NSA Model | 881 |

Table Page

## Background Variables for FT and NFT Children in Cohort III-K Preschool Sample

| Table | | Page |
|---|---|---|
| C2-IIIK(PS)-28 | for Responsive Education Model | |
| | in Buffalo, NY | 74 |
| | in Duluth, MN | 75 |
| | in Fresno, CA | 76 |
| | in St. Louis, MO | 77 |
| | in Salt Lake City, UT | 78 |
| | in Tacoma, WA | 79 |
| C3-IIIK(PS)-28 | for TEEM Model | |
| | in Chicasha, OK | 146 |
| | in Des Moines, IA | 147 |
| | in Lakewood, NJ | 148 |
| | in Newark, NJ | 149 |
| | in Lincoln, NB | 150 |
| | in Wichita, KS | 151 |
| C4-IIIK(PS)-28 | for Bank Street Model | |
| | in New York, NY | 218 |
| | in Philadelphia, PA | 219 |
| | in Brattleboro, VT | 220 |
| | in Fall River, MA | 221 |
| | in New Haven, CT | 222 |
| C5-IIIK(PS)-28 | for Direct Instruction Model | |
| | in New York, NY | 286 |
| | in Grand Rapids, MI | 287 |
| | in W. Iron Co., MI | 288 |
| | in Flint, MI | 289 |
| | in Providence, RI | 290 |

| Table | | Page |
|---|---|---|
| | **Background Variables for FT and NFT Children in Cohort III-K Preschool Sample** (cont.) | |
| C6-IIIK(PS)-28 | for Behavior Analysis Model | |
| | in New York, NY | 380 |
| | in Philadelphia, PA | 381 |
| | in Portageville, MO | 382 |
| | in Trenton, NJ | 383 |
| | in Kansas City, MO | 384 |
| | in Louisville, KY | 385 |
| | in Waukegan, IL | 386 |
| C7-IIIK(PS)-28 | for Cognitive Curriculum Model | |
| | in New York, NY | 428 |
| | in Okaloosa Co., FL | 429 |
| | in Greeley, CO | 430 |
| | in Seattle, WA | 431 |
| | in Chicago, IL | 432 |
| C8-IIIK(PS)-28 | for Parent Education Model | |
| | in Philadelphia, PA | 498 |
| | in Richmond, VA | 499 |
| | in Yakima, WA | 500 |
| | in Houston, TX | 501 |
| | in Lawrenceburg, IN | 502 |
| C9-IIIK(PS)-28 | for EDC Model | |
| | in Philadelphia, PA | 568 |
| | in Burlington, VT | 569 |
| | in Lackawanna Co., PA | 570 |
| | in Morgan Comm. Sch., DC | 571 |
| | in Paterson, NJ | 572 |
| C11-IIIK(PS)-28 | for IELP Model | |
| | in Lock Haven, PA | 642 |
| | in Montevideo, MN | 643 |
| | in Akron, OH | 644 |

984

Table Page

Background Variables for FT and NFT Children in Cohort III-K Preschool Sample (cont.)

C12-IIIK(PS)-28 for ILM Model
    in New York, NY 684
    in Atlanta, GA 685

C13-IIIK(PS)-28 for SEDL Model
    in Philadelphia, PA 722
    in Los Angeles, CA 723
    in Tulare, CA 724
    in St. Martin Parish, LA 725
    in San Diego, TX 726

C14-IIIK(PS)-28 for CLA Model
    in Chicago, IL 766
    in Topeka, KS 767

C15-IIIK(PS)-28 for Home-School Partnership Model
    in New York, NY 804

C16-IIIK(PS)-28 for Cal Process Model
    in Los Angeles, CA 840
    in Ravenswood, CA 841
    in Oakland, CA 842
    in San Jose, CA 843

C17-IIIK(PS)-28 for NSA Model
    in Great Falls, MT 882
    in Clear Lake, WA 883

Table Page

Means and Standard Deviations of the Outcome Measures for FT and NFT Children in Cohort III-K Preschool Sample

C2-IIIK(PS)-29 for Responsive Education Model 80
C3-IIIK(PS)-29 for TEEM Model 152
C4-IIIK(PS)-29 for Bank Street Model 223
C5-IIIK(PS)-29 for Direct Instruction Model 291
C6-IIIK(PS)-29 for Behavior Analysis Model 387
C7-IIIK(PS)-29 for Cognitive Curriculum Model 433
C8-IIIK(PS)-29 for Parent Education Model 503
C9-IIIK(PS)-29 for EDC Model 573
C11-IIIK(PS)-29 for IELP Model 645
C12-IIIK(PS)-29 for ILM Model 686
C13-IIIK(PS)-29 for SEDL Model 727
C14-IIIK(PS)-29 for CLA Model 768
C15-IIIK(PS)-29 for Home-School Partnership Model 805
C16-IIIK(PS)-29 for Cal Process Model 844
C17-IIIK(PS)-29 for NSA Model 884

Table | Page

### Means and Standard Deviations of the Outcome Measures for FT and NFT Children in Cohort III-K Preschool Sample

C2-IIIK(PS)-30 for Responsive Education Model
- in Buffalo, NY 81
- in Duluth, MN 82
- in Fresno, CA 83
- in St. Louis, MO 84
- in Salt Lake City, UT 85
- in Tacoma, WA 86

C3-IIIK(PS)-30 for TEEM Model
- in Chicasha, OK 153
- in Des Moines, IA 154
- in Lakewood, NJ 155
- in Newark, NJ 156
- in Lincoln, NB 157
- in Wichita, KS 158

C4-IIIK(PS)-30 for Bank Street Model
- in New York, NY 224
- in Philadelphia, PA 225
- in Brattleboro, VT 226
- in Fall River, MA 227
- in New Haven, CT 228

C5-IIIK(PS)-30 for Direct Instruction Model
- in New York, NY 292
- in Grand Rapids, MI 293
- in W. Iron Co., MI 294
- in Flint, MI 295
- in Providence, RI 296

Table Page

Means and Standard Deviations of the Outcome Measures for FT and NFT Children in Cohort III-K Preschool Sample (cont.)

C6-IIIK(PS)-30 for Behavior Analysis Model
  in New York, NY 388
  in Philadelphia, PA 389
  in Portageville, MO 390
  in Trenton, NJ 391
  in Kansas City, MO 392
  in Louisville, KY 393
  in Waukegan, IL 394

C7-IIIK(PS)-30 for Cognitive Curriculum Model
  in New York, NY 434
  in Okaloosa Co., FL 435
  in Greeley, CO 436
  in Seattle, WA 437
  in Chicago, IL 438

C8-IIIK(PS)-30 for Parent Education Model
  in Philadelphia, PA 504
  in Richmond, VA 505
  in Yakima, WA 506
  in Houston, TX 507
  in Lawrenceburg, IN 508

C9-IIIK(PS)-30 for EDC Model
  in Philadelphia, PA 574
  in Burlington, VT 575
  in Lackawanna Co., PA 576
  in Morgan Comm. Sch., DC 577
  in Paterson, NJ 578

C11-IIIK(PS)-30 for IELP Model
  in Lock Haven, PA 646
  in Montevideo, MN 647
  in Akron, OH 648

Table Page

Means and Standard Deviations of the Outcome Measures for FT and NFT Children in Cohort III-K Preschool Sample (cont.)

C12-IIIK(PS)-30 for ILM Model
in New York, NY 687
in Atlanta, GA 688
C13-IIIK(PS)-30 for SEDL Model
in Philadelphia, PA 728
in Los Angeles, CA 729
in Tulare, CA 730
in St. Martin Parish, LA 731
in San Diego, TX 732
C14-IIIK(PS)-30 for CLA Model
in Chicago, IL 769
in Topeka, KS 770
C15-IIIK(PS)-30 for Home-School Partnership Model
in New York, NY 806
C16-IIIK(PS)-30 for Cal Process Model
in Los Angeles, CA 845
in Ravenswood, CA 846
in Oakland, CA 847
in San Jose, CA 848
C17-IIIK(PS)-30 for NSA Model
in Great Falls, MT 885
in Clear Lake, WA 886

## Table C8-IIIK-1

## ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT III KINDERGARTEN SITES IN THE PARENT EDUCATION MODEL

| | | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BLACK | Percent | 86.2 | 95.2 | 100.0 | 85.0 | 58.6 | 100.0 | 17.2 | 0.0 | 22.2 | 77.4 | 39.4 | 83.3 | 0.0 | 0.0 | 2.8 |
| | Number | 50 | 437 | 15 | 34 | 17 | 15 | 10 | 0 | 12 | 65 | 37 | 35 | 0 | 0 | 1 |
| ORIENTAL | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.5 | 3.7 | 0.0 | 22.6 | 57.5 | 14.3 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 1 | 0 | 19 | 54 | 6 | 0 | 0 | 0 |
| PUERTO RICAN | Percent | 8.6 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 5 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WHITE | Percent | 5.2 | 1.1 | 0.0 | 15.0 | 41.4 | 0.0 | 58.6 | 96.3 | 77.8 | 0.0 | 2.1 | 0.0 | 100.0 | 100.0 | 97.2 |
| | Number | 3 | 5 | 0 | 6 | 12 | 0 | 34 | 26 | 42 | 0 | 2 | 0 | 35 | 40 | 35 |
| OTHER | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| BEST MATCHED SITE | | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlingto[illegible] VT | | |

## Table C8-IIIK-2

### DISTRIBUTION OF BACKGROUND VARIABLES COHORT III KINDERGARTEN CHILDREN FOR THE PARENT EDUCATION MODEL

| | SPONSOR'S SITES | | | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE Number | — | — | — | 59 | 459 | 15 | 40 | 29 | 15 | 58 | 27 | 54 | 84 | 94 | 42 | 35 | 40 | 36 |
| FALL KINDERGARTEN WRAT Mean Score | 27.7 | 27.2 | — | 25.1 | 26.9 | 28.3 | 29.8 | 27.6 | 28.3 | 27.7 | 24.8 | 25.2 | 28.6 | 21.1 | 30.1 | 27.2 | 35.7 | 30.6 |
| PERCENT WITH PRESCHOOL | 62 | 16 | — | 61 | 28 | 87 | 70 | 13 | 87 | 49 | 0 | 26 | 76 | 15 | 54 | 51 | 25 | 26 |
| Number Responding | — | — | — | 57 | 372 | 15 | 40 | 24 | 15 | 57 | 26 | 54 | 78 | 39 | 35 | 35 | 40 | 35 |
| CHILDREN'S ETHNICITY Percent Black | 53 | 39 | — | 86 | 95 | 100 | 85 | 59 | 100 | 17 | 0 | 22 | 77 | 39 | 83 | 0 | 0 | 3 |
| Percent White | 36 | 48 | — | 5 | 1 | 0 | 15 | 41 | 0 | 59 | 96 | 78 | 0 | 2 | 0 | 100 | 100 | 97 |
| Percent Other | 11 | 13 | — | 9 | 4 | 0 | 0 | 0 | 0 | 24 | 4 | 0 | 23 | 59 | 17 | 0 | 0 | 0 |
| MEDIAN FAMILY INCOME | 4858 | 6705 | — | 4800 | 5300 | 4750 | 4250 | 6200 | 4750 | 3840 | 7950 | 5080 | 2600 | 4325 | 3767 | 8800 | 9750 | 8200 |
| Number Responding | — | — | — | 28 | 54 | 15 | 35 | 21 | 15 | 47 | 23 | 53 | 34 | 33 | 34 | 34 | 39 | 34 |
| MOTHER'S EDUCATION Percent H.S. Graduates | 47 | 42 | — | 38 | 37 | 43 | 43 | 36 | 43 | 46 | 52 | 52 | 50 | 19 | 44 | 57 | 68 | 58 |
| Number Responding | — | — | — | 29 | 54 | 14 | 35 | 22 | 14 | 46 | 25 | 52 | 34 | 32 | 32 | 35 | 40 | 33 |
| FEMALE HEADS OF HOUSEHOLD Percent | 38 | 26 | — | 61 | 48 | 47 | 39 | 29 | 47 | 24 | 4 | 6 | 49 | 48 | 57 | 14 | 0 | 18 |
| BEST MATCHED SITE | | | | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

## Table C8-IIIK-3

## TEACHER BACKGROUND CHARACTERISTICS FOR COHORT III-K SITES IN PARENT EDUCATION MODEL

| | Philadelphia, PA | | Richmond, VA | | Yakima, WA | | Houston, TX | | Lawrenceburg, TN | |
|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| YEARS OF ELEMENTARY TEACHING EXPERIENCE | | | | | | | | | | |
| Mean | 7.40 | 7.51 | 11.50 | 10.00 | 4.50 | 13.00 | 11.12 | 8.67 | 10.66 | 8.40 |
| Standard Deviation | 4.03 | 7.20 | 8.73 | 8.44 | 2.07 | 19.07 | 9.12 | 7.07 | 11.59 | 14.89 |
| N | 5 | 55 | 4 | 7 | 6 | 3 | 8 | 14 | 3 | 5 |
| YEARS IN SCHOOL | | | | | | | | | | |
| Mean | 5.40 | 5.57 | 5.00 | 8.57 | 3.00 | 9.33 | 8.50 | 4.85 | 5.66 | 7.90 |
| Standard Deviation | 2.30 | 6.03 | 1.63 | 9.37 | 1.54 | 13.57 | 9.35 | 4.10 | 5.03 | 13.50 |
| N | 5 | 54 | 4 | 7 | 6 | 3 | 8 | 14 | 3 | 5 |
| YEARS IN MODEL | | | | | | | | | | |
| Mean | 4.20 | 1.93 | 1.75 | 0.75 | 2.83 | 0 | 6.28 | 0.92 | 4.33 | 0 |
| Standard Deviation | 1.64 | 5.55 | 1.50 | 0.35 | 1.47 | 0 | 9.16 | 0.73 | 3.05 | 0 |
| N | 5 | 15 | 4 | 2 | 6 | 0 | 7 | 7 | 3 | 0 |
| TEACHER'S EDUCATION | | | | | | | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % with B.A. | 20.0 | 32.1 | 75.0 | 57.1 | 50.0 | 66.7 | 62.5 | 42.9 | 0 | 40.0 |
| % Some Graduate | 60.0 | 53.6 | 25.0 | 14.3 | 33.3 | 33.3 | 12.5 | 28.6 | 33.3 | 60.0 |
| % M.A. or More | 20.0 | 14.3 | 0 | 28.6 | 16.7 | 0 | 25.0 | 28.6 | 66.7 | 0 |
| N | 5 | 56 | 4 | 7 | 6 | 3 | 8 | 14 | 3 | 5 |
| TEACHER'S CERTIFICATION | | | | | | | | | | |
| % None | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Temporary | 20.0 | 30.9 | 0 | 0 | 16.7 | 33.3 | 33.3 | 23.1 | 0 | 80.0 |
| % Renewable/Permanent | 80.0 | 69.1 | 100.0 | 100.0 | 83.3 | 66.7 | 66.7 | 76.9 | 100.0 | 20.0 |
| N | 5 | 55 | 4 | 7 | 6 | 3 | 6 | 13 | 3 | 5 |
| TEACHER'S ETHNICITY | | | | | | | | | | |
| % White | 60.0 | 36.8 | 50.0 | 14.3 | 100.0 | 100.0 | 25.0 | 80.0 | 100.0 | 100.0 |
| % Black | 40.0 | 61.4 | 50.0 | 85.7 | 0 | 0 | 62.5 | 20.0 | 0 | 0 |
| % Spanish Surname | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Other | 0 | 1.8 | 0 | 0 | 0 | 0 | 12.5 | 0 | 0 | 0 |
| N | 5 | 57 | 4 | 7 | 6 | 3 | 8 | 15 | 3 | 5 |
| AGE IN YEARS | | | | | | | | | | |
| Mean | 34.60 | 33.53 | 35.00 | 31.33 | 26.66 | 35.66 | 37.28 | 36.85 | 48.66 | 30.60 |
| Standard Deviation | 13.55 | 10.91 | 11.04 | 8.11 | 1.36 | 20.23 | 15.40 | 12.21 | 17.01 | 14.22 |
| N | 5 | 54 | 4 | 6 | 6 | 3 | 7 | 14 | 3 | 5 |

## Table C8-IIIK-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1975) FOR THE COHORT III KINDERGARTEN SITES IN THE PARENT EDUCATION MODEL

| | SPONSOR'S SITES | | | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 50.1 | 50.7 | — | 52.6 | 51.5 | 51.8 | 46.9 | 53.3 | 51.8 | 48.3 | 49.0 | 41.3 | 53.8 | 49.9 | 44.7 | 49.0 | 49.9 | 39.9 |
| Number | 5 | 5 | — | 5 | 57 | 3 | 4 | 7 | 3 | 6 | 3 | 11 | 8 | 15 | 13 | 3 | 5 | 7 |
| Local Mean Difference | — | — | — | — | — | — | -6.4 | — | — | — | — | — | 3.9 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -5.0 | — | — | 7.0 | — | — | 9.0 | — | — | 9.1 | — | — |
| FLEXIBLE CLASSROOM | 48.3 | 45.9 | — | 41.1 | 45.5 | 54.0 | 54.3 | 53.1 | 54.0 | 46.6 | 44.1 | 51.2 | 49.2 | 44.3 | 47.8 | 50.3 | 42.6 | 53.1 |
| Number | 5 | 5 | — | 5 | 57 | 3 | 4 | 7 | 3 | 6 | 3 | 11 | 8 | 15 | 13 | 3 | 5 | 7 |
| Local Mean Difference | — | — | — | -4.4 | — | — | — | — | — | — | — | — | 4.8 | — | — | 7.6 | — | — |
| Best Match Mean Difference | — | — | — | -12.8 | — | — | — | — | — | -4.6 | — | — | — | — | — | -2.9 | — | — |
| INDIVIDUALIZATION | 47.2 | 46.4 | — | 43.8 | 41.5 | 50.0 | 49.6 | 47.8 | 50.0 | 44.6 | 53.1 | 50.1 | 51.3 | 46.6 | 54.8 | 46.9 | 42.9 | 53.1 |
| Number | 5 | 5 | — | 5 | 57 | 3 | 4 | 7 | 3 | 6 | 3 | 11 | 8 | 15 | 13 | 3 | 5 | 7 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | -8.5 | — | — | 4.8 | — | — | 4.0 | — | — |
| Best Match Mean Difference | — | — | — | -6.2 | — | — | — | — | — | -5.5 | — | — | -3.5 | — | — | -6.2 | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 47.8 | 51.4 | — | 50.5 | 48.6 | 44.7 | 45.8 | 46.3 | 44.7 | 44.7 | 60.4 | 51.0 | 43.3 | 49.0 | 51.6 | 54.8 | 52.5 | 47.3 |
| Number | 5 | 5 | — | 5 | 57 | 3 | 4 | 7 | 3 | 6 | 3 | 11 | 8 | 15 | 11 | 3 | 5 | 7 |
| Local Mean Difference | -3.6 | — | — | — | — | — | — | — | — | -15.7 | — | — | -5.7 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 5.8 | — | — | — | — | — | -6.3 | — | — | -8.3 | — | — | 7.5 | — | — |
| SATISFACTION WITH SPONSOR | 56.1 | 45.6 | — | 56.9 | 49.0 | 50.3 | 61.1 | 42.4 | 50.3 | 44.0 | 51.8 | 46.7 | 59.1 | 48.1 | 44.7 | 59.7 | 36.7 | 43.5 |
| Number | 5 | 5 | — | 5 | 32 | 1 | 4 | 5 | 1 | 6 | 2 | 4 | 8 | 8 | 6 | 3 | 1 | 7 |
| Local Mean Difference | 10.5 | — | — | 7.9 | — | — | 18.7 | — | — | -7.8 | — | — | 11.0 | — | — | 22.9 | — | — |
| Best Match Mean Difference | — | — | — | 6.7 | — | — | 10.8 | — | — | -2.7 | — | — | 14.4 | — | — | 16.2 | — | — |
| BEST MATCHED SITE | | | | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

## Table C8-IIIK-5

### STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1975)
### FOR THE COHORT III KINDERGARTEN SITES
### IN THE PARENT EDUCATION MODEL

| | SPONSOR'S SITES | | | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 50.8 | 50.5 | — | 46.5 | 50.9 | 53.7 | 52.9 | 47.7 | 53.7 | 51.3 | 51.5 | 53.1 | 49.5 | 46.4 | 46.5 | 53.6 | 55.8 | 50.4 |
| Number | 5 | 5 | — | 20 | 133 | 15 | 25 | 26 | 15 | 27 | 25 | 28 | 31 | 24 | 29 | 29 | 27 | 28 |
| Local Mean Difference | — | — | — | -4.4 | — | — | 5.2 | — | — | — | — | — | 3.0 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -7.2 | — | — | — | — | — | — | — | — | 3.0 | — | — | 3.1 | — | — |
| SCHOOL HELPED CHILD | 52.7 | 46.8 | — | 49.6 | 47.2 | 47.9 | 53.8 | 45.2 | 47.9 | 55.2 | 50.9 | 50.3 | 54.3 | 45.2 | 47.6 | 50.6 | 45.6 | 51.4 |
| Number | 5 | 5 | — | 20 | 133 | 15 | 25 | 26 | 15 | 27 | 25 | 28 | 31 | 24 | 29 | 29 | 27 | 28 |
| Local Mean Difference | 5.9 | — | — | — | — | — | 8.6 | — | — | 4.3 | — | — | 9.2 | — | — | 5.0 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 5.9 | — | — | 4.9 | — | — | 6.8 | — | — | — | — | — |
| PAC INVOLVEMENT | 56.7 | 44.2 | — | 51.7 | 45.2 | 50.2 | 60.6 | 44.9 | 50.2 | 57.2 | 44.8 | 41.9 | 55.9 | 43.9 | 48.2 | 56.3 | 42.3 | 45.3 |
| Number | 5 | 5 | — | 18 | 128 | 14 | 25 | 24 | 14 | 26 | 24 | 24 | 30 | 23 | 28 | 29 | 27 | 24 |
| Local Mean Difference | 12.5 | — | — | 8.5 | — | — | 15.7 | — | — | 12.4 | — | — | 11.9 | — | — | 13.9 | — | — |
| Best Match Mean Difference | — | — | — | 3.5 | — | — | 10.4 | — | — | 15.4 | — | — | 7.7 | — | — | 11.0 | — | — |
| CHILD READS AT HOME | 50.3 | 48.2 | — | 51.7 | 50.3 | 54.9 | 47.3 | 52.1 | 54.9 | 51.0 | 47.7 | 51.1 | 50.8 | 45.1 | 49.5 | 50.5 | 45.7 | 47.6 |
| Number | 5 | 5 | — | 20 | 133 | 15 | 25 | 26 | 15 | 27 | 25 | 28 | 31 | 24 | 29 | 29 | 27 | 28 |
| Local Mean Difference | — | — | — | — | — | — | -4.9 | — | — | 3.4 | — | — | 5.7 | — | — | 4.7 | — | — |
| Best Match Mean Difference | — | — | — | -3.2 | — | — | -7.6 | — | — | — | — | — | — | — | — | 2.8 | — | — |
| CHILD'S PROG IN SCHOOL | 51.0 | 48.7 | — | 47.6 | 47.8 | 47.3 | 52.4 | 47.6 | 47.3 | 56.4 | 50.2 | 48.3 | 46.5 | 45.2 | 48.1 | 52.1 | 52.6 | 48.2 |
| Number | 5 | 5 | — | 20 | 133 | 15 | 25 | 26 | 15 | 27 | 25 | 28 | 31 | 24 | 29 | 29 | 27 | 28 |
| Local Mean Difference | — | — | — | — | — | — | 4.8 | — | — | 6.2 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 5.0 | — | — | 8.1 | — | — | — | — | — | 3.9 | — | — |
| CHILD READ TO AT HOME | 50.2 | 49.7 | — | 51.1 | 52.0 | 59.6 | 52.9 | 48.9 | 59.6 | 51.5 | 53.5 | 50.7 | 52.0 | 46.0 | 53.3 | 43.5 | 48.0 | 49.4 |
| Number | 5 | 5 | — | 20 | 133 | 15 | 25 | 26 | 15 | 27 | 25 | 28 | 31 | 24 | 29 | 29 | 27 | 28 |
| Local Mean Difference | — | — | — | — | — | — | 4.0 | — | — | — | — | — | 6.0 | — | — | -4.5 | — | — |
| Best Match Mean Difference | — | — | — | -8.5 | — | — | -6.7 | — | — | — | — | — | — | — | — | -5.9 | — | — |
| PARENT VISITS TO SCHOOL | 54.0 | 48.4 | — | 50.5 | 49.6 | 52.6 | 54.7 | 49.2 | 52.6 | 56.1 | 47.5 | 45.1 | 52.5 | 47.6 | 48.2 | 56.2 | 48.2 | 46.5 |
| Number | 5 | 5 | — | 20 | 133 | 15 | 25 | 26 | 15 | 27 | 25 | 28 | 31 | 24 | 29 | 29 | 27 | 28 |
| Local Mean Difference | 5.6 | — | — | — | — | — | 5.5 | — | — | 8.6 | — | — | 4.8 | — | — | 8.1 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | 11.0 | — | — | 4.3 | — | — | 9.7 | — | — |
| CHILD'S EMOT ADJUST | 50.9 | 47.9 | — | 51.2 | 49.5 | 54.3 | 54.2 | 46.9 | 54.3 | 52.8 | 49.4 | 48.6 | 50.7 | 47.2 | 55.7 | 45.9 | 46.6 | 47.3 |
| Number | 5 | 5 | — | 20 | 133 | 15 | 25 | 26 | 15 | 27 | 25 | 28 | 31 | 24 | 29 | 29 | 27 | 28 |
| Local Mean Difference | 3.0 | — | — | — | — | — | 7.3 | — | — | 3.4 | — | — | 3.5 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -3.1 | — | — | — | — | — | 4.2 | — | — | -5.0 | — | — | — | — | — |
| SCH HELPED WITH CHILD | 54.2 | 45.4 | — | 50.6 | 48.8 | 51.4 | 58.8 | 40.7 | 51.4 | 53.8 | 48.5 | 43.5 | 58.2 | 46.5 | 45.4 | 49.7 | 42.4 | 46.4 |
| Number | 5 | 5 | — | 20 | 133 | 15 | 25 | 26 | 15 | 27 | 25 | 28 | 31 | 24 | 29 | 29 | 27 | 28 |
| Local Mean Difference | 8.8 | — | — | — | — | — | 18.1 | — | — | 5.3 | — | — | 11.7 | — | — | 7.4 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 7.4 | — | — | 10.3 | — | — | 8.8 | — | — | 3.3 | — | — |
| SCHOOL'S RECEPTIVITY | 50.5 | 48.6 | — | 53.0 | 47.1 | 42.9 | 50.1 | 47.5 | 42.9 | 55.0 | 51.4 | 47.5 | 46.8 | 49.0 | 50.5 | 47.5 | 48.1 | 46.7 |
| Number | 5 | 5 | — | 20 | 132 | 15 | 25 | 26 | 15 | 27 | 25 | 28 | 31 | 24 | 29 | 29 | 27 | 28 |
| Local Mean Difference | — | — | — | 5.9 | — | — | 2.6 | — | — | 3.6 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 10.1 | — | — | 7.2 | — | — | 7.5 | — | — | -3.7 | — | — | — | — | — |
| PARENT LOCUS | 47.9 | 50.3 | — | 47.2 | 50.7 | 53.3 | 47.8 | 53.5 | 53.3 | 44.5 | 46.7 | 48.2 | 52.3 | 54.1 | 53.5 | 47.8 | 46.3 | 50.0 |
| Number | 5 | 5 | — | 20 | 132 | 15 | 25 | 26 | 15 | 27 | 25 | 28 | 31 | 24 | 29 | 29 | 27 | 28 |
| Local Mean Difference | — | — | — | -3.5 | — | — | -5.7 | — | — | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -6.1 | — | — | -5.5 | — | — | -3.7 | — | — | — | — | — | — | — | — |
| SCH HELPED PERSONALLY | 52.4 | 48.2 | — | 48.1 | 49.1 | 54.0 | 56.5 | 48.8 | 54.0 | 53.4 | 45.5 | 44.2 | 54.7 | 50.7 | 51.3 | 49.0 | 47.0 | 48.8 |
| Number | 5 | 5 | — | 20 | 133 | 15 | 25 | 26 | 15 | 27 | 25 | 28 | 31 | 24 | 29 | 29 | 27 | 28 |
| Local Mean Difference | 4.1 | — | — | — | — | — | 7.7 | — | — | 7.8 | — | — | 4.1 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -5.9 | — | — | 2.5 | — | — | 9.1 | — | — | 3.4 | — | — | — | — | — |
| PARENT-CHILD INTERACTION | 51.6 | 48.2 | — | 52.0 | 51.6 | 53.1 | 55.1 | 49.0 | 53.1 | 49.0 | 49.9 | 48.0 | 53.7 | 44.1 | 47.1 | 48.3 | 46.5 | 44.2 |
| Number | 5 | 5 | — | 20 | 133 | 15 | 25 | 26 | 15 | 27 | 25 | 28 | 31 | 24 | 29 | 29 | 27 | 28 |
| Local Mean Difference | 3.4 | — | — | — | — | — | 6.1 | — | — | — | — | — | 9.6 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | 6.6 | — | — | 4.2 | — | — |
| BEST MATCHED SITE | | | | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

## Table C8-IIIK-6

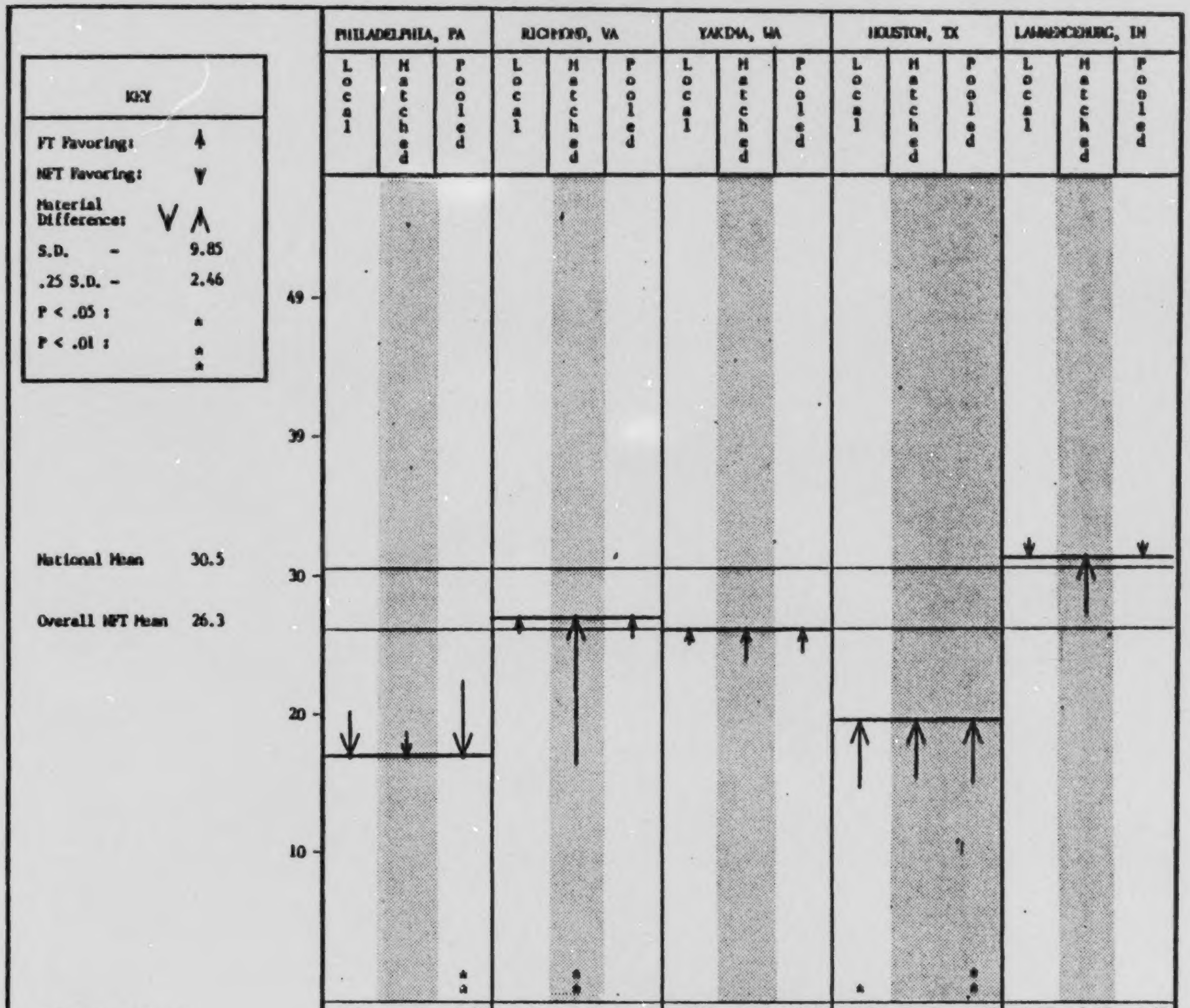
### PROPORTION OF ATTRITION AND DESCRIPTIVE INFORMATION FOR PARENT EDUCATION MODEL

| | | Philadelphia, PA | | Richmond, VA | | Yakima, WA | | Houston, TX | | Lawrenceburg, IN | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| NUMBER | | | | | | | | | | | |
| Total Registration | N | 154 | 1686 | 105 | 107 | 276 | 83 | 261 | 328 | 84 | 92 |
| Children Retained (Analytic Sample) | N | 59 | 459 | 40 | 29 | 58 | 27 | 84 | 94 | 35 | 40 |
| Children Not Retained (Program and Sample Attrition) | N | 95 | 1227 | 65 | 78 | 218 | 56 | 177 | 234 | 49 | 52 |
| | %* | 62 | 73 | 62 | 73 | 79 | 68 | 68 | 71 | 58 | 57 |
| Children Not Retained (Sample Attrition) | N | 8 | 252 | 9 | 12 | 10 | 5 | 24 | 48 | 0 | 4 |
| | %* | 5 | 15 | 9 | 11 | 4 | 6 | 9 | 15 | 0 | 4 |
| WRAT | | | | | | | | | | | |
| Total Registration | Mean | 26.3 | 26.5 | 25.2 | 25.3 | 27.5 | 26.9 | 27.0 | 22.1 | 23.8 | 28.3 |
| | Standard Deviation | 10.5 | 12.1 | 13.6 | 13.0 | 12.9 | 12.1 | 11.7 | 10.7 | 11.1 | 14.4 |
| | Number | 124 | 1439 | 95 | 90 | 141 | 69 | 233 | 241 | 79 | 87 |
| Children Retained (Analytic Sample) | Mean | 25.1 | 26.9 | 29.8 | 27.6 | 27.6 | 24.8 | 28.6 | 21.1 | 27.2 | 35.7 |
| | Standard Deviation | 9.2 | 11.4 | 14.2 | 12.1 | 12.2 | 11.7 | 12.1 | 10.7 | 9.9 | 12.7 |
| | Number | 57 | 438 | 39 | 28 | 51 | 25 | 80 | 90 | 35 | 40 |
| Children Not Retained (Program and Sample Attrition) | Mean | 27.3 | 26.3 | 22.0 | 24.3 | 27.4 | 28.0 | 26.2 | 22.6 | 21.0 | 22.1 |
| | Standard Deviation | 11.4 | 12.3 | 12.4 | 13.3 | 13.3 | 12.2 | 11.5 | 10.6 | 11.3 | 12.8 |
| | Number | 67 | 1001 | 56 | 62 | 90 | 44 | 153 | 151 | 44 | 47 |
| Children Not Retained (Sample Attrition) | Mean | 30.0 | 27.5 | 19.5 | 14.1 | 18.2 | 30.4 | 23.2 | 20.9 | -- | 27.7 |
| | Standard Deviation | 13.5 | 12.2 | 13.9 | 6.9 | 18.0 | 7.6 | 11.9 | 10.2 | -- | 10.9 |
| | Number | 8 | 244 | 9 | 12 | 10 | 5 | 24 | 48 | -- | 4 |
| INCOME | | | | | | | | | | | |
| Total Registration | Mean | 4682 | 5605 | 4633 | 5822 | 4758 | 6325 | 3922 | 4487 | 7217 | 7738 |
| | Standard Deviation | 2605 | 2648 | 2520 | 3052 | 2910 | 2930 | 2603 | 2545 | 2764 | 2366 |
| | Number | 66 | 232 | 87 | 63 | 130 | 67 | 99 | 105 | 75 | 84 |
| Children Retained (Analytic Sample) | Mean | 5350 | 5407 | 4477 | 6386 | 4662 | 7287 | 4168 | 4342 | 8294 | 8443 |
| | Standard Deviation | 2972 | 2789 | 2291 | 2761 | 2521 | 2865 | 2765 | 2580 | 2200 | 2056 |
| | Number | 28 | 54 | 35 | 21 | 47 | 23 | 34 | 33 | 34 | 39 |
| Children Not Retained (Program and Sample Attrition) | Mean | 4189 | 5665 | 4738 | 5540 | 4813 | 5823 | 3794 | 4553 | 6324 | 7126 |
| | Standard Deviation | 2210 | 2608 | 2680 | 3182 | 3122 | 2867 | 2526 | 2545 | 2887 | 2466 |
| | Number | 38 | 178 | 52 | 42 | 83 | 44 | 65 | 72 | 41 | 45 |
| Children Not Retained (Sample Attrition) | Mean | 4800 | 5855 | 4222 | 2940 | 4974 | 5724 | 3627 | 4405 | -- | 4733 |
| | Standard Deviation | 346 | 2538 | 2861 | 1099 | 4114 | 3147 | 2675 | 2013 | -- | 1285 |
| | Number | 3 | 58 | 9 | 5 | 8 | 4 | 11 | 17 | -- | 3 |

*Percent of Total Registration.

## Table C8-IIIK-7

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT WORD KNOWLEDGE
FOR COHORT III KINDERGARTEN SITES
IN THE PARENT EDUCATION MODEL



| | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -3.29 | -1.80 | -5.49 | 1.24 | 10.44 | 1.46 | 0.80 | 2.13 | 1.61 | 4.66 | 4.03 | 4.45 | -1.19 | 4.15 | -0.93 |
| Standard Error | 1.98 | 2.95 | 0.89 | 3.41 | 3.12 | 1.48 | 3.33 | 2.29 | 1.40 | 2.34 | 2.62 | 0.88 | 3.19 | 2.36 | 1.32 |
| FT Mean | 17.05 | | | 26.98 | | | 25.90 | | | 19.42 | | | 31.17 | | |
| No. of FT Children | 59 | | | 40 | | | 58 | | | 84 | | | 35 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

1001

COHORT III-K STUDY
Non-Preschool Adjusted

1002

## Table C8-IIIK-8

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT SPELLING FOR COHORT III KINDERGARTEN SITES IN THE PARENT EDUCATION MODEL

**KEY**

FT Favoring: ↑

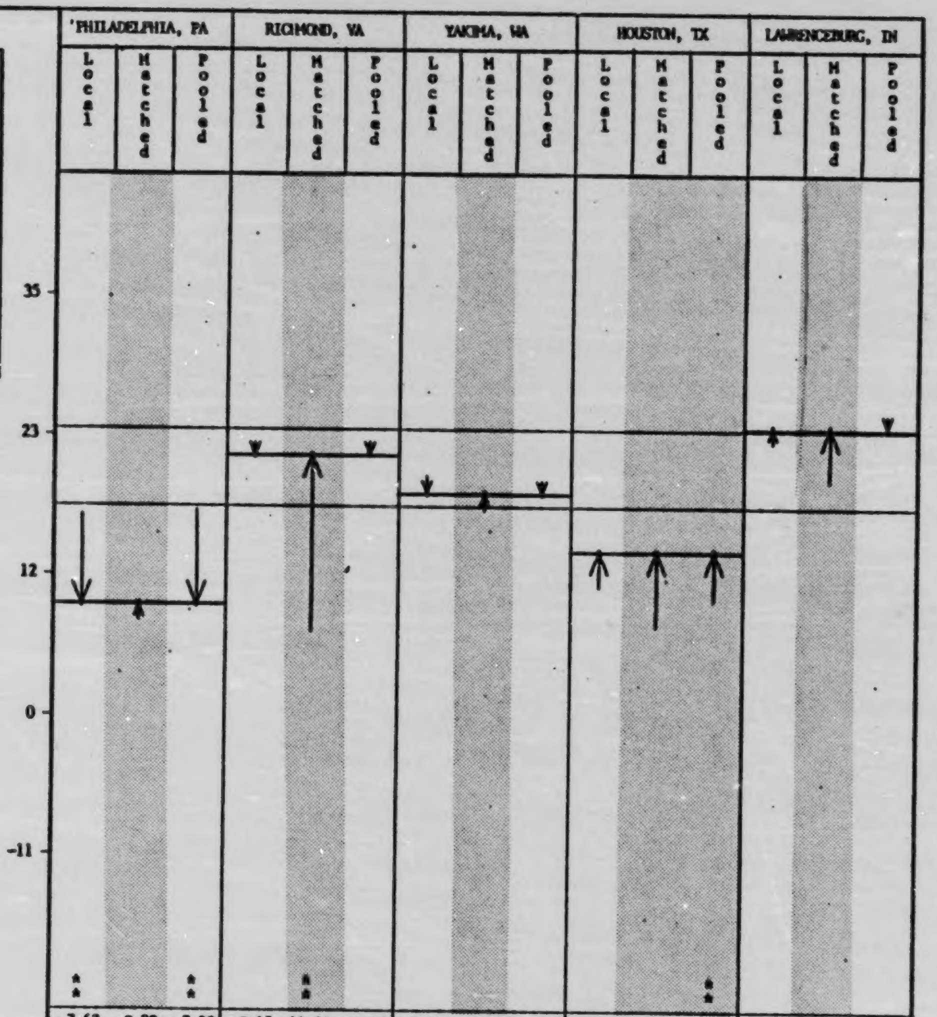
NFT Favoring: ↓

Material Difference: ⋁ ⋀

| | |
|---|---|
| S.D. - | 11.60 |
| .25 S.D. - | 2.90 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 24.0

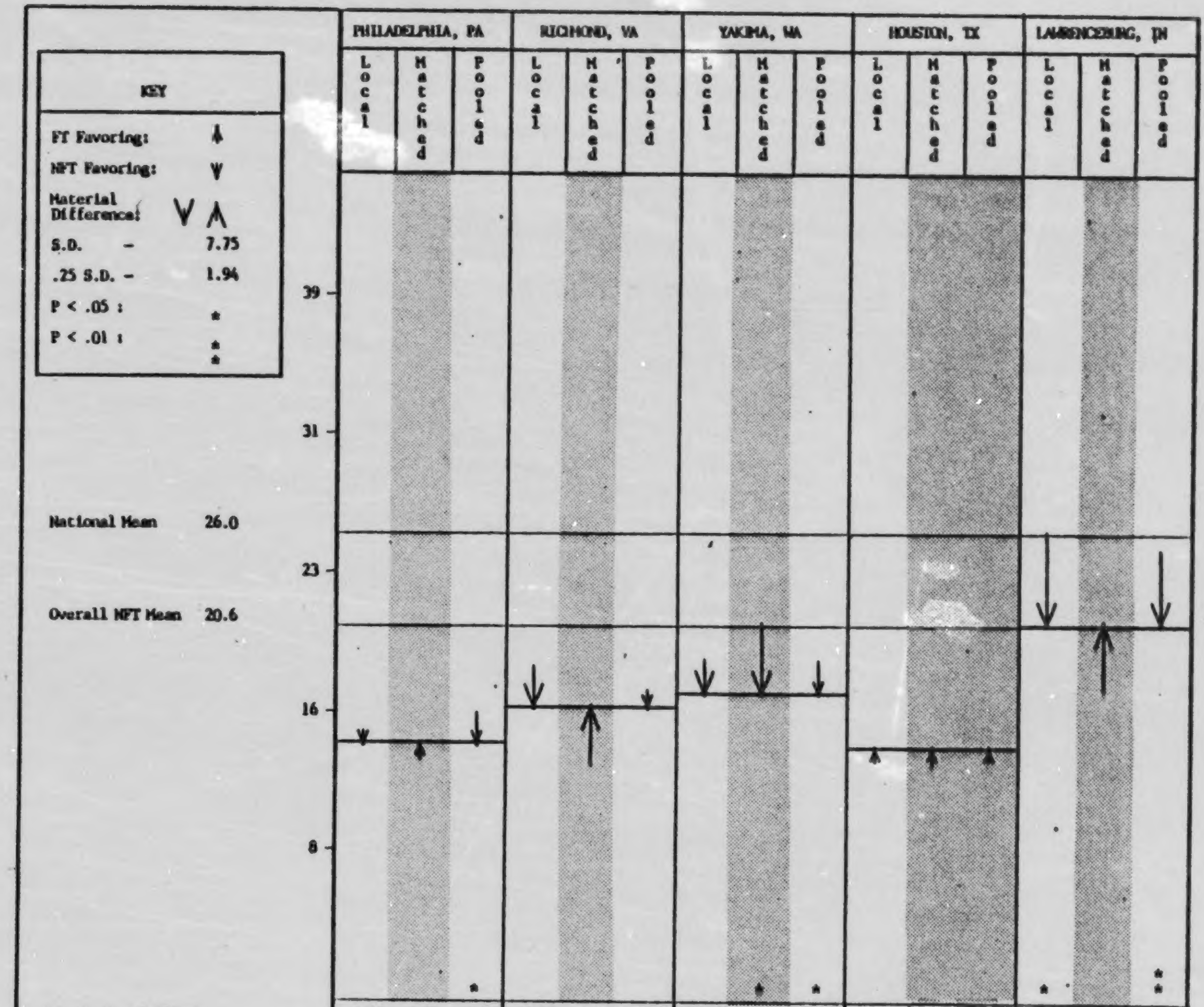
Overall NFT Mean 18.4



| | Philadelphia, PA Local | Matched | Pooled | Richmond, VA Local | Matched | Pooled | Yakima, WA Local | Matched | Pooled | Houston, TX Local | Matched | Pooled | Lawrenceburg, IN Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -7.63 | 0.82 | -7.92 | -0.15 | 14.61 | -0.09 | -1.51 | 1.54 | -0.02 | 3.03 | 6.24 | 3.95 | 0.18 | 4.49 | -0.46 |
| Standard Error | 2.45 | 4.09 | 1.09 | 4.22 | 3.36 | 1.40 | 4.12 | 2.57 | 1.45 | 2.89 | 3.28 | 1.08 | 3.95 | 2.45 | 1.50 |
| FT Mean | 9.54 | | | 21.95 | | | 18.78 | | | 14.01 | | | 24.37 | | |
| No. of FT Children | 59 | | | 40 | | | 58 | | | 84 | | | 35 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

## Table C8-IIIK-9

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT LANGUAGE
FOR COHORT III KINDERGARTEN SITES
IN THE PARENT EDUCATION MODEL



| | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.46 | 0.21 | -1.78 | -2.25 | 3.16 | -1.03 | -1.95 | -3.90 | -1.83 | 0.42 | 1.03 | 0.81 | -5.26 | 3.68 | -4.20 |
| Standard Error | 1.47 | 2.57 | 0.76 | 2.54 | 2.05 | 0.96 | 2.48 | 1.61 | 0.80 | 1.74 | 1.71 | 0.58 | 2.38 | 2.04 | 1.39 |
| FT Mean | 13.93 | | | 16.03 | | | 16.78 | | | 13.77 | | | 20.57 | | |
| No. of FT Children | 59 | | | 40 | | | 58 | | | 84 | | | 35 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

COHORT III-K STUDY
Non-Preschool Adjusted

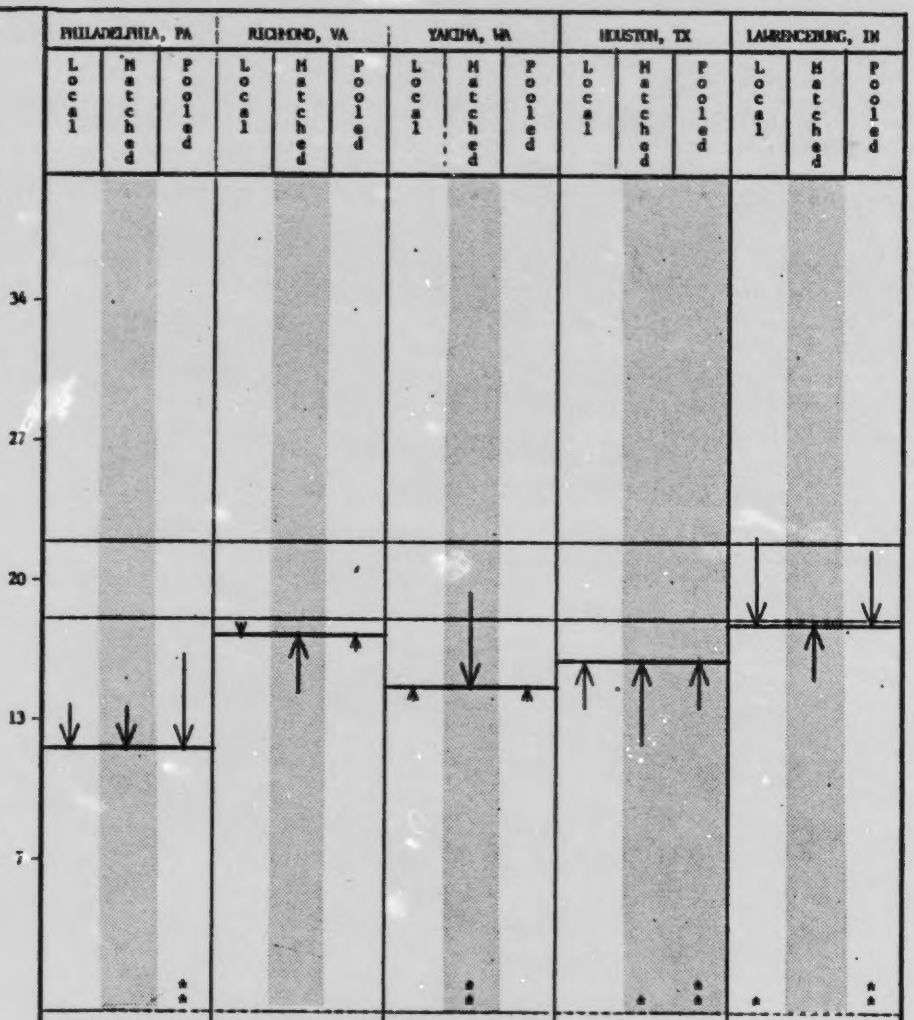
# Table C8-IIIK-10

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT MATHEMATICS COMPUTATIONS
FOR COHORT III KINDERGARTEN SITES
IN THE PARENT EDUCATION MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. – | 6.71 |
| .25 S.D. – | 1.68 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.5

Overall NFT Mean 18.5



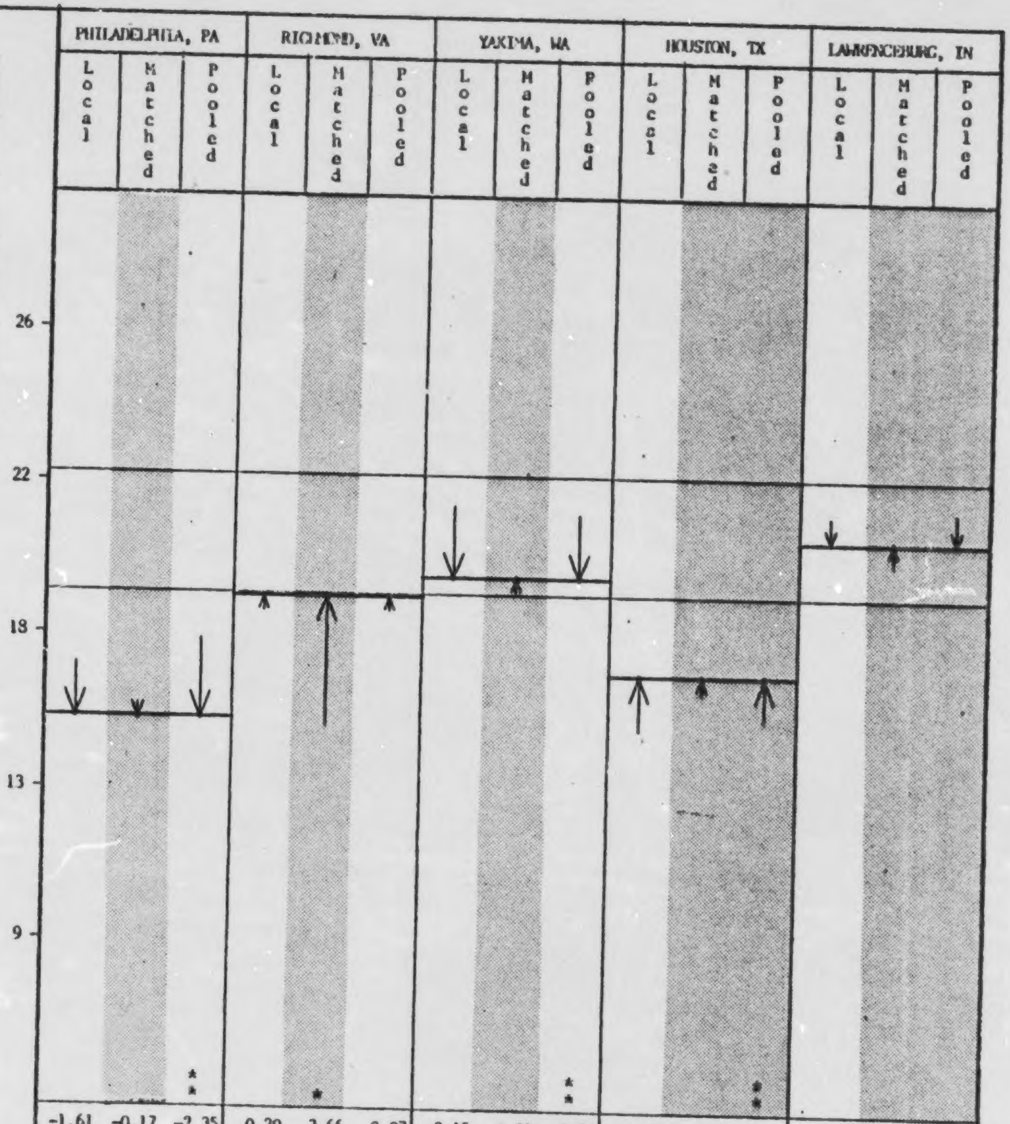
| | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -2.04 | -1.90 | -4.55 | -0.31 | 2.72 | 0.38 | 0.07 | -4.58 | 0.42 | 2.17 | 3.98 | 2.25 | -4.30 | 2.58 | -3.68 |
| Standard Error | 1.31 | 1.71 | 0.42 | 2.25 | 2.02 | 0.85 | 2.20 | 1.51 | 0.87 | 1.55 | 1.85 | 0.61 | 2.11 | 1.66 | 0.88 |
| FT Mean | 12.29 | | | 17.65 | | | 15.28 | | | 16.44 | | | 18.14 | | |
| No. of FT Children | 59 | | | 40 | | | 58 | | | 84 | | | 35 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

## Table C8-IIIK-11

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT
### ON THE RAVEN S PROGRESSIVE MATRICES
### FOR COHORT III KINDERGARTEN SITES
### IN THE PARENT EDUCATION MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. - | 4.38 |
| .25 S.D. - | 1.09 |
| P < .05 : | * |
| P < .01 : | ** |

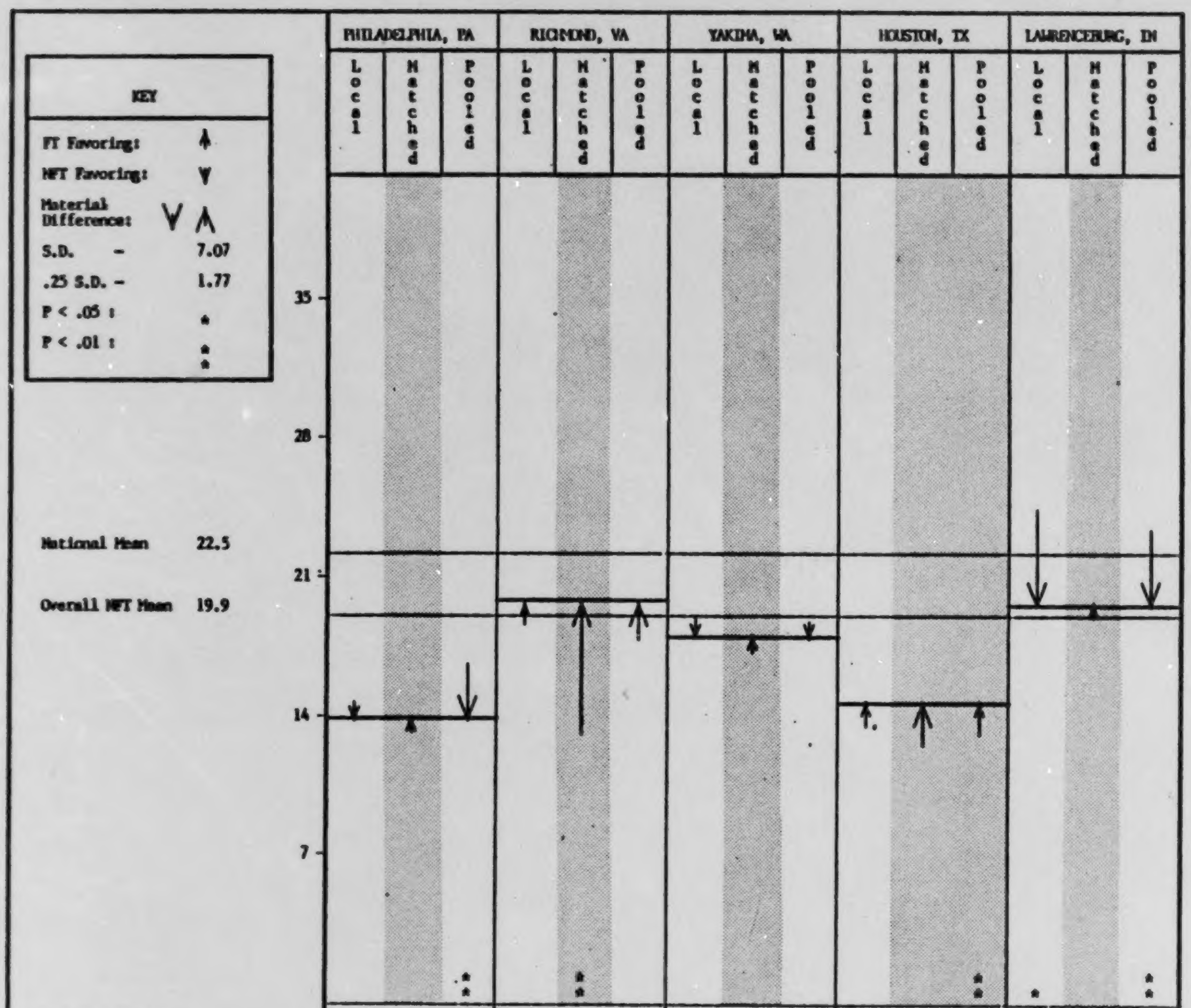
| | |
|---|---|
| National Mean | 22.3 |
| Overall NFT Mean | 19.0 |



| | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | | ** | | * | | | | ** | | | ** | | | |
| Magnitude of Effect | -1.61 | -0.17 | -2.35 | 0.20 | 3.66 | 0.07 | -2.15 | 0.23 | -1.85 | 1.48 | 0.20 | 1.20 | -0.77 | 0.59 | -0.89 |
| Standard Error | 0.92 | 1.87 | 0.55 | 1.58 | 1.56 | 0.70 | 1.55 | 0.83 | 0.47 | 1.09 | 1.21 | 0.39 | 1.48 | 0.92 | 0.56 |
| FT Mean | 15.24 | | | 18.80 | | | 19.31 | | | 16.54 | | | 20.43 | | |
| No. of FT Children | 59 | | | 40 | | | 58 | | | 84 | | | 35 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

## Table C8-IIIK-12

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT READING FOR COHORT III KINDERGARTEN SITES IN THE PARENT EDUCATION MODEL.



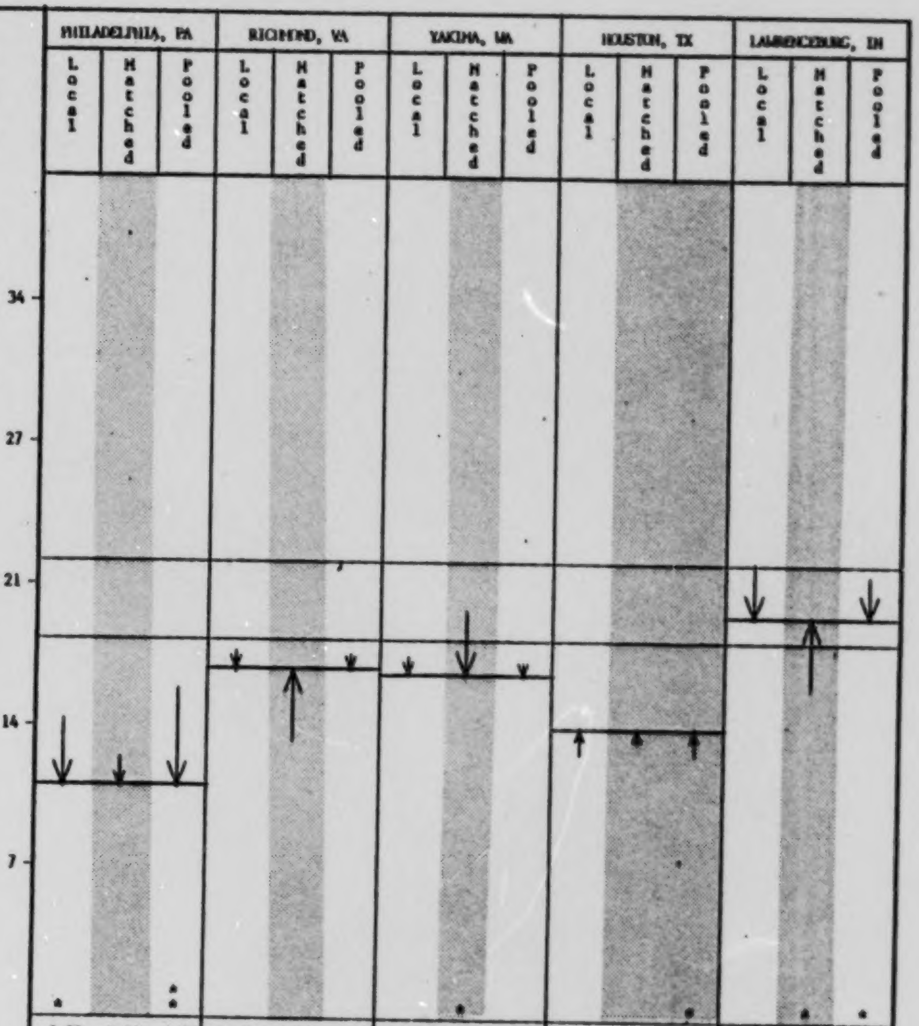
| | PHILADELPHIA, PA Local | PHILADELPHIA, PA Matched | PHILADELPHIA, PA Pooled | RICHMOND, VA Local | RICHMOND, VA Matched | RICHMOND, VA Pooled | YAKIMA, WA Local | YAKIMA, WA Matched | YAKIMA, WA Pooled | HOUSTON, TX Local | HOUSTON, TX Matched | HOUSTON, TX Pooled | LAWRENCEBURG, IN Local | LAWRENCEBURG, IN Matched | LAWRENCEBURG, IN Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.85 | 0.43 | -2.77 | 1.13 | 6.80 | 1.92 | -0.96 | 0.26 | -0.80 | 1.25 | 2.09 | 1.67 | -4.79 | 0.45 | -3.81 |
| Standard Error | 1.36 | 2.34 | 0.71 | 2.34 | 2.28 | 1.00 | 2.29 | 1.80 | 0.97 | 1.61 | 1.82 | 0.60 | 2.19 | 1.87 | 1.04 |
| FT Mean | 14.25 | | | 20.15 | | | 18.43 | | | 15.02 | | | 19.97 | | |
| No. of FT Children | 59 | | | 40 | | | 58 | | | 84 | | | 35 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

# Table C8-IIIK-13

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT MATHEMATICS CONCEPTS
FOR COHORT III KINDERGARTEN SITES
IN THE PARENT EDUCATION MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. - | 6.87 |
| .25 S.D. - | 1.72 |
| P < .05 : | * |
| P < .01 : | ** |

| | |
|---|---|
| National Mean | 22.0 |
| Overall NFT Mean | 18.0 |



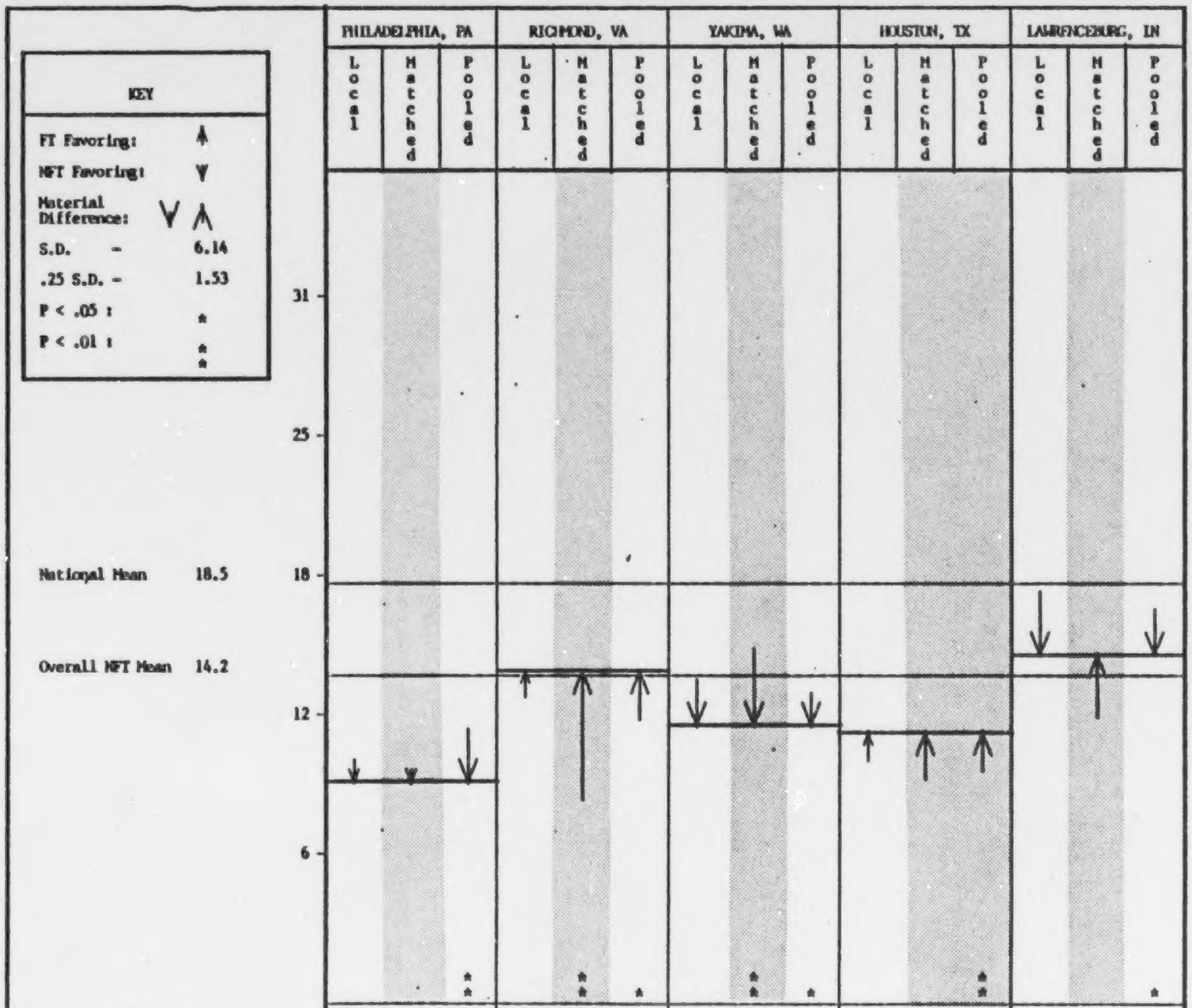
| | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -3.39 | -1.49 | -4.87 | -0.90 | 3.53 | -0.35 | -0.88 | -3.22 | -0.43 | 1.30 | 0.65 | 1.30 | -2.68 | 3.39 | -2.09 |
| Standard Error | 1.36 | 2.26 | 0.65 | 2.34 | 1.85 | 0.80 | 2.29 | 1.43 | 0.79 | 1.61 | 1.84 | 0.56 | 2.19 | 1.45 | 0.86 |
| FT Mean | 10.95 | | | 16.78 | | | 16.48 | | | 13.93 | | | 19.40 | | |
| No. of FT Children | 59 | | | 40 | | | 58 | | | 84 | | | 35 | | |
| Matched NFT Site | Morgan Comm Sch, DC | | | Morgan Comm Sch, DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

1013

1014

## Table C8-IIIK-14

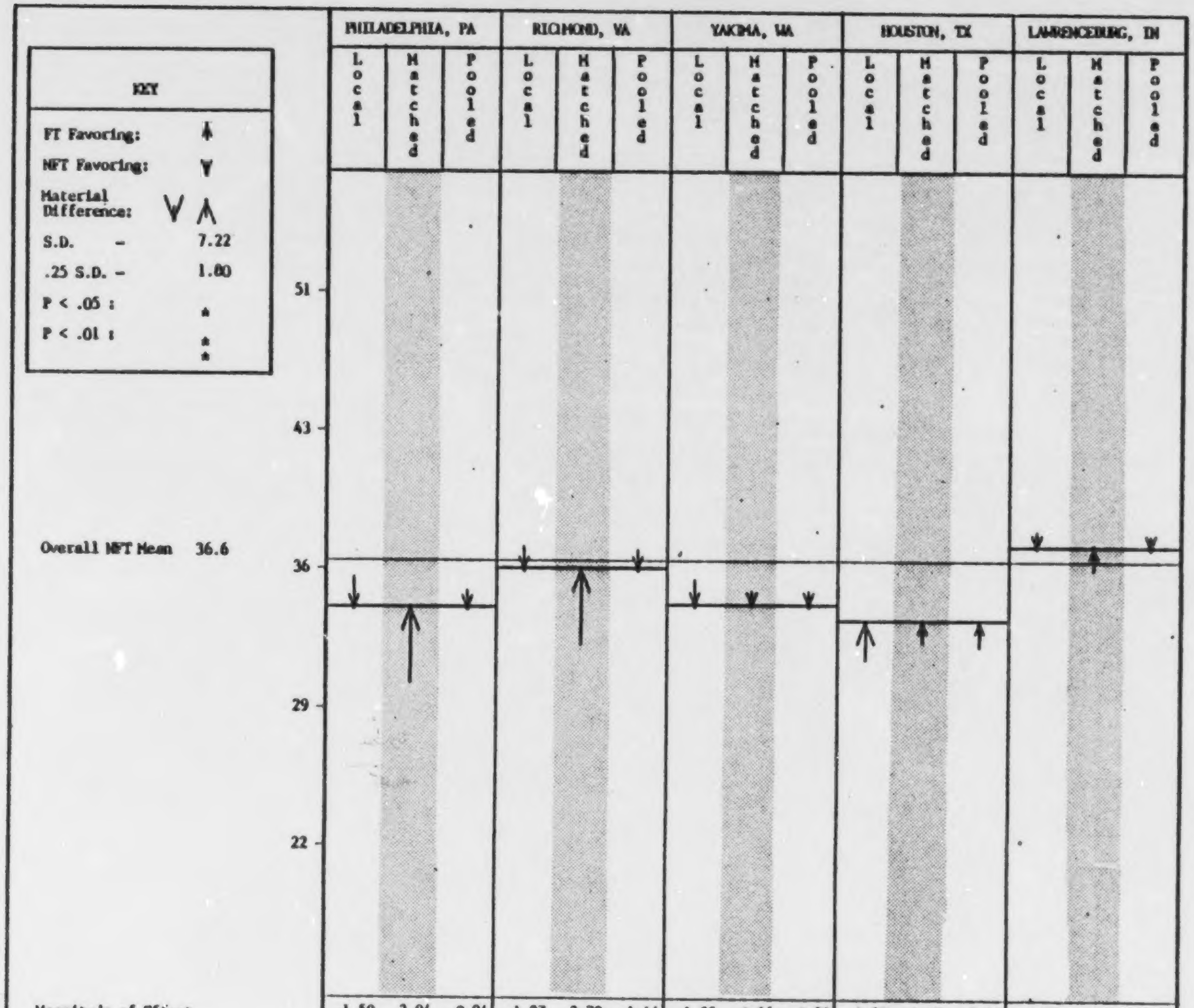
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT III KINDERGARTEN SITES IN THE PARENT EDUCATION MODEL



| | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.95 | -0.14 | -2.40 | 1.11 | 5.71 | 2.15 | -2.10 | -3.47 | -1.56 | 1.26 | 1.98 | 1.71 | -2.83 | 2.73 | -1.99 |
| Standard Error | 1.16 | 1.95 | 0.60 | 2.00 | 1.81 | 0.85 | 1.95 | 1.30 | 0.70 | 1.37 | 1.66 | 0.54 | 1.87 | 1.47 | 0.84 |
| FT Mean | 9.53 | | | 14.38 | | | 11.97 | | | 11.63 | | | 15.11 | | |
| No. of FT Children | 59 | | | 40 | | | 58 | | | 84 | | | 35 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

## Table C8-IIIK-15

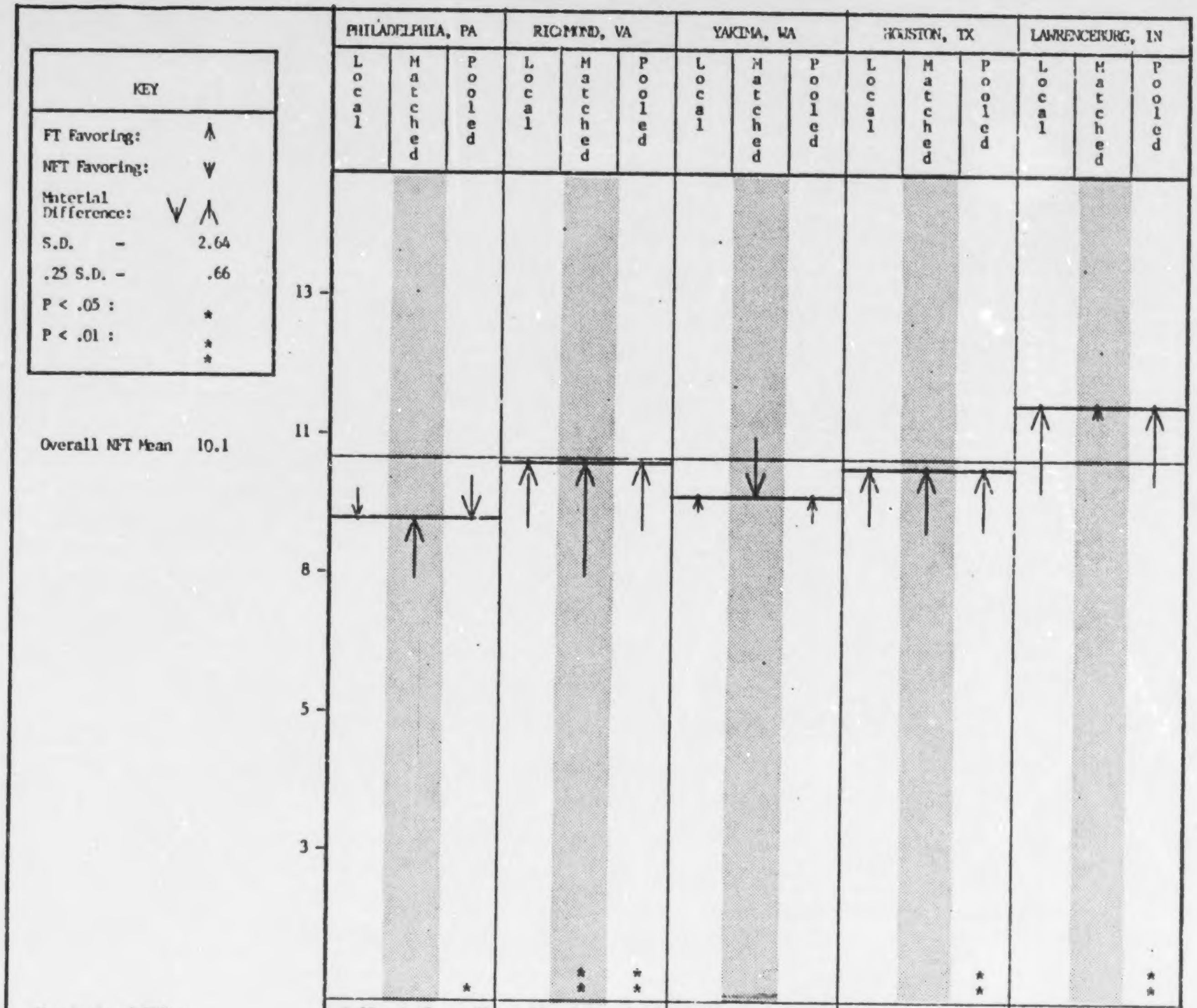
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT III KINDERGARTEN SITES IN THE PARENT EDUCATION MODEL



| | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.50 | 3.94 | -0.94 | -1.27 | 3.79 | -1.14 | -1.35 | -0.66 | -0.89 | 1.89 | 1.09 | 1.32 | -0.37 | 1.23 | -0.31 |
| Standard Error | 1.67 | 3.24 | 0.92 | 2.88 | 2.54 | 0.92 | 2.82 | 1.84 | 1.12 | 1.98 | 2.24 | 0.73 | 2.70 | 1.54 | 1.07 |
| FT Mean | 34.32 | | | 36.25 | | | 34.35 | | | 33.56 | | | 37.46 | | |
| No. of FT Children | 59 | | | 40 | | | 58 | | | 84 | | | 35 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

## Table C8-IIIK-16

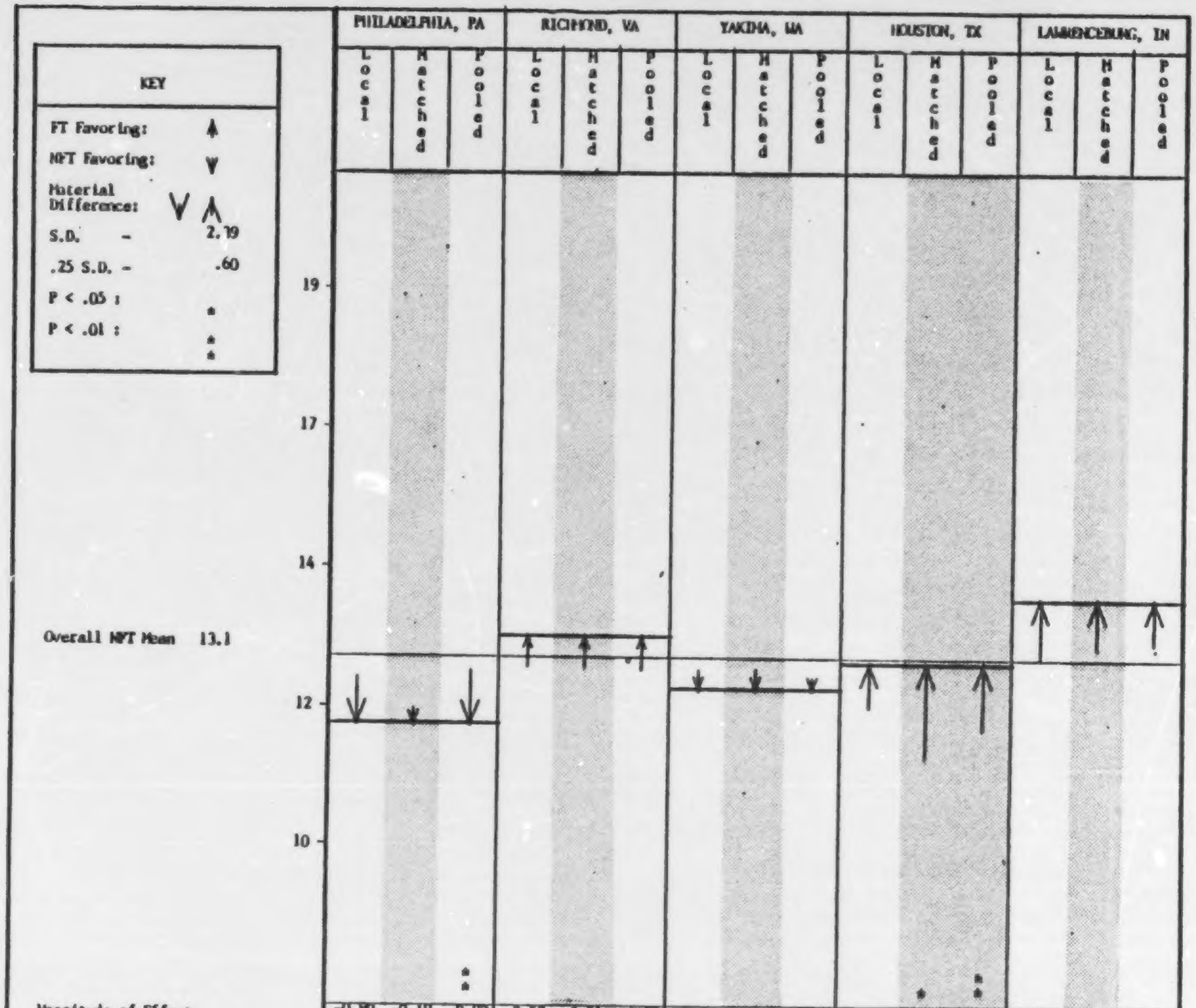
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT III KINDERGARTEN SITES IN THE PARENT EDUCATION MODEL.



| | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.59 | 1.15 | -0.82 | 1.22 | 2.16 | 1.27 | 0.17 | -1.11 | 0.47 | 1.06 | 1.25 | 1.20 | 1.68 | 0.07 | 1.51 |
| Standard Error | 0.62 | 1.18 | 0.36 | 1.07 | 0.74 | 0.27 | 1.05 | 0.60 | 0.36 | 0.74 | 0.84 | 0.25 | 1.00 | 0.71 | 0.40 |
| FT Mean | 9.02 | | | 10.07 | | | 9.43 | | | 9.99 | | | 11.20 | | |
| No. of FT Children | 59 | | | 40 | | | 58 | | | 84 | | | 35 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

## Table C8-IIIK-17

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE FOR COHORT III KINDERGARTEN SITES IN THE PARENT EDUCATION MODEL



| | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.80 | -0.19 | -0.92 | 0.52 | 0.51 | 0.57 | -0.37 | -0.34 | -0.12 | 0.74 | 1.60 | 1.10 | 0.99 | 0.84 | 0.75 |
| Standard Error | 0.56 | 1.06 | 0.32 | 0.97 | 0.75 | 0.34 | 0.95 | 0.48 | 0.33 | 0.66 | 0.78 | 0.25 | 0.91 | 0.70 | 0.48 |
| FT Mean | 11.83 | | | 13.33 | | | 12.43 | | | 12.88 | | | 13.97 | | |
| No. of FT Children | 59 | | | 40 | | | 58 | | | 84 | | | 35 | | |
| Matched NFT Site | Morgan Comm Sch, DC | | | Morgan Comm Sch, DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

COHORT III-K STUDY
Non-Preschool Adjusted

# Table C8-IIIK-18

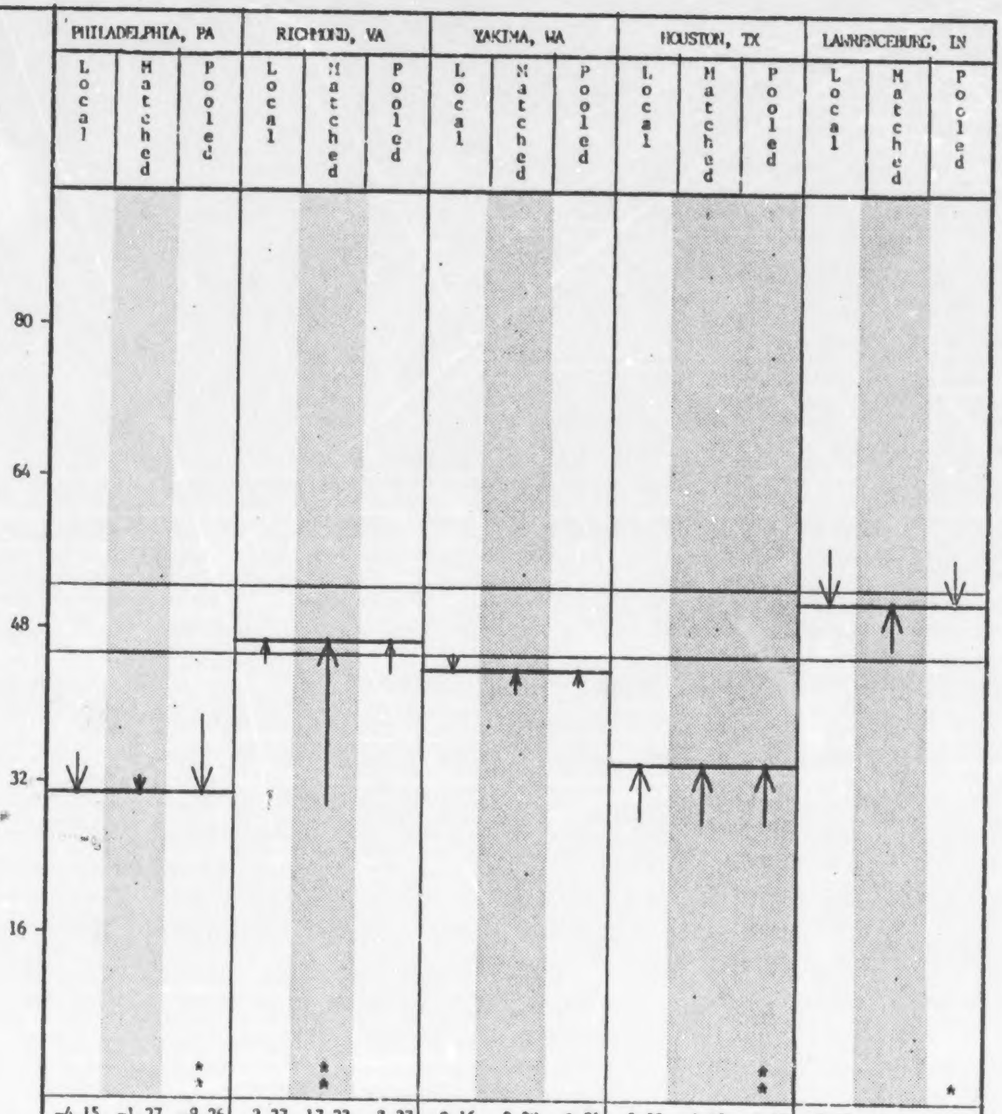
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL READING FOR COHORT III KINDERGARTEN SITES IN THE PARENT EDUCATION MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. - | 15.96 |
| .25 S.D. - | 3.99 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 53.0

Overall NFT Mean 46.1



| | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -4.15 | -1.37 | -8.26 | 2.37 | 17.23 | 3.37 | -0.16 | 2.39 | 0.81 | 5.92 | 6.13 | 6.12 | -5.98 | 4.60 | -4.73 |
| Standard Error | 3.09 | 4.57 | 1.38 | 5.32 | 5.16 | 2.38 | 5.20 | 3.84 | 2.26 | 3.65 | 4.04 | 1.31 | 4.93 | 3.93 | 2.18 |
| FT Mean | 31.30 | | | 47.12 | | | 44.33 | | | 34.44 | | | 51.14 | | |
| No. of FT Children | 59 | | | 40 | | | 58 | | | 84 | | | 35 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

## Table C8-IIIK-19

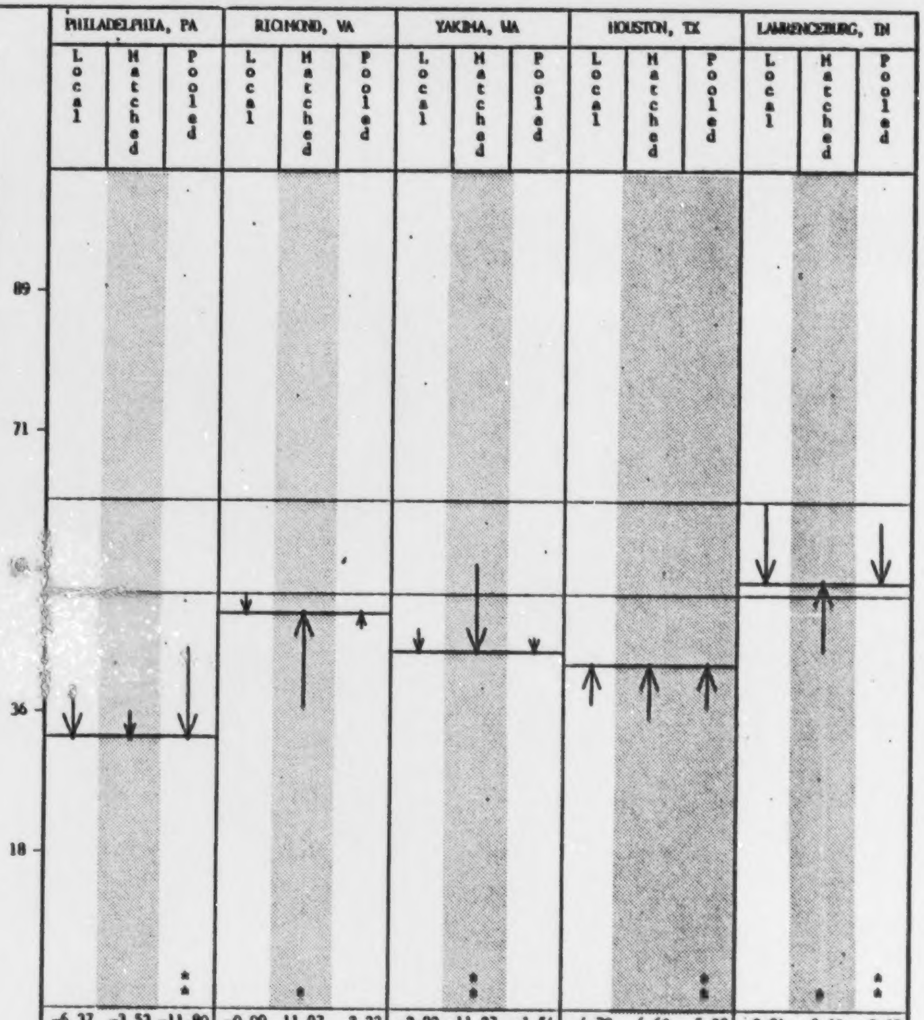
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL MATH FOR COHORT III KINDERGARTEN SITES IN THE PARENT EDUCATION MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. - | 17.83 |
| .25 S.D. - | 4.46 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 63.0

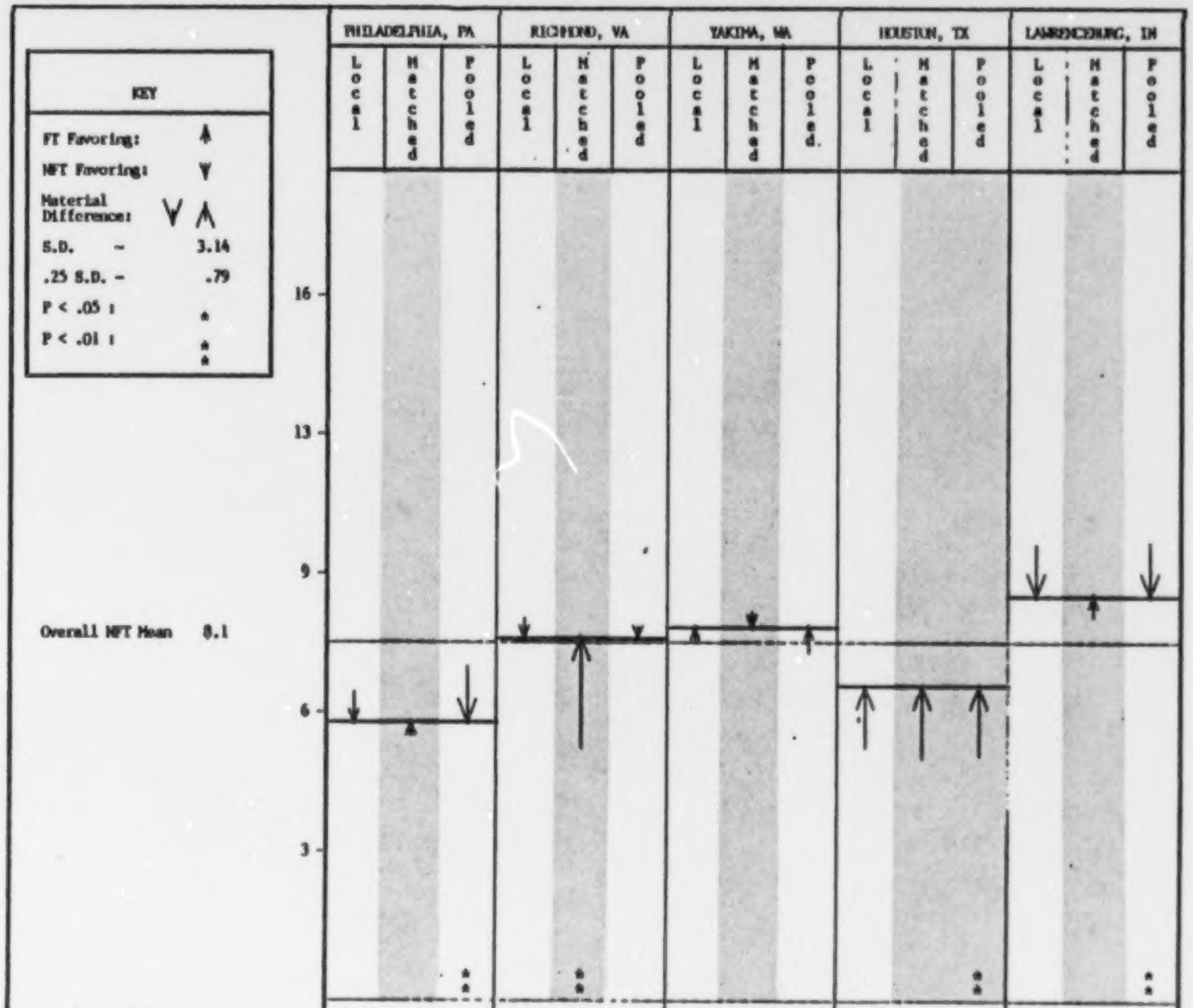
Overall NFT Mean [illegible]



| | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -6.37 | -3.53 | -11.80 | -0.09 | 11.97 | 2.22 | -2.92 | -11.27 | -1.54 | 4.72 | 6.60 | 5.28 | -9.81 | 8.69 | -7.67 |
| Standard Error | 3.33 | 4.81 | 1.31 | 5.74 | 4.78 | 2.14 | 5,61 | 3.71 | 2.02 | 3.94 | 4.52 | 1.42 | 5.37 | 4.09 | 2.19 |
| FT Mean | 32.76 | | | 48.80 | | | 43.72. | | | 42.00 | | | 52.66 | | |
| No. of FT Children | 59 | | | 40 | | | 58 | | | 84 | | | 35 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

## Table C8-IIIK-20

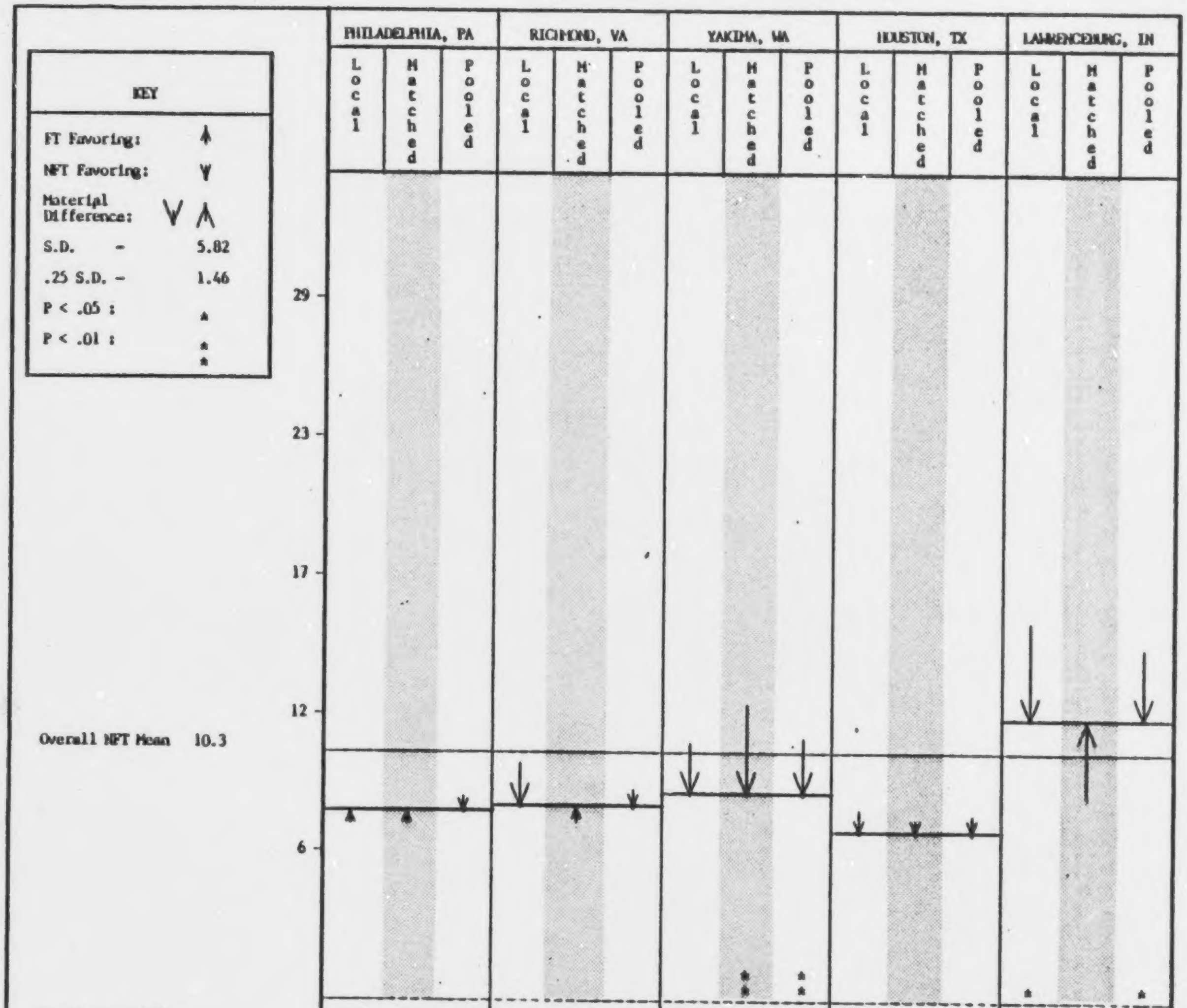
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT III KINDERGARTEN SITES IN THE PARENT EDUCATION MODEL



| | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.65 | 0.04 | -1.24 | -0.44 | 2.54 | -0.25 | 0.20 | -0.10 | 0.58 | 1.35 | 1.61 | 1.58 | -1.17 | 0.47 | -1.22 |
| Standard Error | 0.66 | 1.38 | 0.38 | 1.15 | 0.98 | 0.46 | 1.12 | 0.65 | 0.41 | 0.79 | 0.95 | 0.31 | 1.07 | 0.68 | 0.46 |
| FT Mean | 6.17 | | | 8.08 | | | 8.29 | | | 6.94 | | | 8.97 | | |
| No. of FT Children | 59 | | | 40 | | | 58 | | | 84 | | | 35 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

## Table C8-IIIK-21

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT III KINDERGARTEN SITES IN THE PARENT EDUCATION MODEL



| | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.19 | 0.17 | -0.54 | -1.82 | 0.62 | -0.78 | -2.15 | -3.80 | -2.41 | -0.94 | -0.58 | -0.77 | -4.09 | 3.21 | -2.97 |
| Standard Error | 1.12 | 1.65 | 0.55 | 1.92 | 1.63 | 0.71 | 1.88 | 1.27 | 0.61 | 1.32 | 1.31 | 0.44 | 1.80 | 1.71 | 1.17 |
| FT Mean | 7.76 | | | 7.95 | | | 8.48 | | | 6.83 | | | 11.60 | | |
| No. of FT Children | 59 | | | 40 | | | 58 | | | 84 | | | 35 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C8-IIIK-22

## STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN FOR THE PARENT EDUCATION MODEL

| | MAT NORM POPU-LATION | SPONSOR'S SITES | | | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 61 | 55.0 | 56.1 | — | 48.7 | 51.9 | 50.3 | 59.0 | 58.8 | 50.3 | 56.5 | 59.0 | 59.0 | 51.5 | 45.5 | 47.0 | 59.3 | 65.5 | 58.8 |
| Median Percentile | 50 | 30.0 | 34.0 | 24.0 | 14.0 | 22.0 | 16.0 | 42.0 | 42.0 | 16.0 | 36.0 | 42.0 | 42.0 | 22.0 | 9.0 | 10.0 | 42.0 | 64.0 | 42.0 |
| Grade Equivalent | 3.5 | 2.9 | 3.0 | 2.7 | 2.4 | 2.6 | 2.4 | 3.3 | 3.3 | 2.4 | 3.1 | 3.3 | 3.3 | 2.6 | 2.2 | 2.2 | 3.3 | 4.1 | 3.3 |
| 1 Year or More Below Grade Level | 20 | 37.2 | 36.3 | — | 62.7 | 49.0 | 60.0 | 27.5 | 31.0 | 60.0 | 34.5 | 29.6 | 31.5 | 50.0 | 69.1 | 66.7 | 11.4 | 2.5 | 27.8 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 58.7 | 61.9 | — | 52.3 | 57.7 | 52.0 | 62.5 | 65.0 | 52.0 | 59.0 | 59.9 | 64.2 | 57.0 | 53.2 | 52.5 | 62.4 | 73.8 | 62.5 |
| Median Percentile | 50 | 16.0 | 23.0 | 12.0 | 6.0 | 14.0 | 6.0 | 26.0 | 32.0 | 6.0 | 16.0 | 18.0 | 28.0 | 12.0 | 8.0 | 8.0 | 23.0 | 62.0 | 26.0 |
| Grade Equivalent | 3.75 | 2.9 | 3.1 | 2.7 | 2.3 | 2.8 | 2.3 | 3.2 | 3.3 | 2.3 | 2.9 | 3.0 | 3.2 | 2.7 | 2.4 | 2.4 | 3.1 | 4.1 | 3.2 |
| 1 Year or More Below Grade Level | 12 | 40.1 | 40.5 | — | 64.4 | 48.6 | 53.3 | 22.5 | 41.4 | 53.3 | 43.1 | 40.7 | 18.5 | 53.6 | 69.1 | 64.3 | 17.1 | 2.5 | 38.9 |
| SPELLING | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 64 | 58.5 | 60.1 | — | 50.6 | 60.2 | 50.5 | 62.5 | 64.8 | 50.5 | 61.0 | 60.0 | 58.3 | 54.0 | 44.8 | 42.5 | 64.3 | 70.5 | 63.2 |
| Median Percentile | 50 | 32.0 | 38.0 | 20.0 | 16.0 | 38.0 | 16.0 | 48.0 | 54.0 | 16.0 | 40.0 | 38.0 | 32.0 | 22.0 | 8.0 | 6.0 | 50.0 | 72.0 | 48.0 |
| Grade Equivalent | 3.6 | 2.9 | 3.1 | 2.6 | 2.4 | 3.1 | 2.4 | 3.5 | 3.7 | 2.4 | 3.3 | 3.1 | 2.9 | 2.6 | 2.0 | 1.9 | 3.6 | 4.6 | 3.5 |
| 1 Year or More Below Grade Level | 22 | 35.2 | 33.4 | — | 66.1 | 35.7 | 66.7 | 17.5 | 24.1 | 66.7 | 32.8 | 33.3 | 35.2 | 51.2 | 71.3 | 71.4 | 8.6 | 2.5 | 25.0 |
| LANGUAGE | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70 | 56.9 | 60.0 | — | 55.3 | 55.3 | 53.8 | 56.1 | 61.0 | 53.8 | 57.3 | 59.7 | 63.5 | 55.0 | 52.5 | 52.5 | 61.0 | 71.5 | 56.5 |
| Median Percentile | 50 | 20.0 | 26.0 | 18.0 | 14.0 | 14.0 | 12.0 | 18.0 | 28.0 | 12.0 | 20.0 | 26.0 | 34.0 | 14.0 | 11.0 | 11.0 | 28.0 | 56.0 | 20.0 |
| Grade Equivalent | 4.0 | 2.7 | 3.0 | 2.6 | 2.5 | 2.5 | 2.4 | 2.6 | 3.1 | 2.4 | 2.7 | 3.0 | 3.3 | 2.5 | 2.3 | 2.3 | 3.1 | 4.3 | 2.7 |
| 1 Year or More Below Grade Level | 14 | 66.2 | 56.5 | — | 78.0 | 74.5 | 73.3 | 65.0 | 48.3 | 73.3 | 58.6 | 59.3 | 40.7 | 81.0 | 83.0 | 85.7 | 48.6 | 17.5 | 55.6 |
| BEST MATCHED SITE | | | | | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

Table C8-IIIK(PS)-22

## STANDARDIZED SCORES FOR MAT READING, MATHEMATICS LANGUAGE AND SPELLING SUBTEST COHORT III KINDERGARTEN CHILDREN WITH HEADSTART FOR THE PARENT EDUCATION MODEL

| | MAT NORM POPULATION | SPONSOR'S SITES | | PHILADELPHIA, PA | | RICHMOND VA | | YAKIMA, WA | | HOUSTON, TX | | LAWRENCEBURG, IN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| TOTAL READING | | | | | | | | | | | | | |
| Third Grade Median | 61 | 55.5 | 54.7 | 48.7 | 52.9 | 59.3 | 56.8 | 58.4 | 54.2 | 51.8 | 43.8 | 59.3 | 65.8 |
| Median Percentile | 50 | 32 | 32 | 14 | 24 | 42 | 36 | 40 | 28 | 22 | 7 | 42 | 66 |
| Grade Equivalent | 3.5 | 3.0 | 2.9 | 2.4 | 2.7 | 3.3 | 3.1 | 3.2 | 2.8 | 2.6 | 2.0 | 3.3 | 4.1 |
| % 1 Year or More Below Grade Level | 20 | 35 | 40 | 64 | 47 | 26 | 33 | 27 | 33 | 49 | 85 | 11 | 2 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 59.4 | 59.1 | 52.0 | 58.3 | 63.9 | 59.5 | 61.3 | 58.2 | 57.2 | 47.0 | 62.6 | 72.7 |
| Median Percentile | 50 | 19 | 22 | 7 | 14 | 28 | 18 | 20 | 14 | 12 | 3 | 26 | 60 |
| Grade Equivalent | 3.75 | 2.9 | 2.9 | 2.4 | 2.8 | 3.2 | 3.0 | 3.0 | 2.8 | 2.7 | 2.0 | 3.2 | 4.0 |
| % 1 Year or More Below Grade Level | 12 | 39 | 45 | 64 | 45 | 23 | 46 | 37 | 46 | 52 | 85 | 17 | 2 |
| SPELLING | | | | | | | | | | | | | |
| Third Grade Median | 64 | 59.1 | 58.6 | 50.6 | 61.4 | 63.0 | 65.2 | 62.8 | 57.5 | 54.8 | 38.4 | 64.2 | 70.5 |
| Median Percentile | 50 | 37 | 39 | 16 | 40 | 48 | 54 | 48 | 32 | 23 | 2 | 50 | 68 |
| Grade Equivalent | 3.6 | 3.1 | 3.2 | 2.4 | 3.3 | 3.5 | 3.7 | 3.5 | 3.0 | 2.7 | 1.4 | 3.6 | 4.4 |
| % 1 Year or More Below Grade Level | 22 | 34 | 36 | 67 | 34 | 18 | 25 | 27 | 38 | 49 | 82 | 9 | 2 |
| LANGUAGE | | | | | | | | | | | | | |
| Third Grade Median | 70 | 57.2 | 59.8 | 55.2 | 55.4 | 56.1 | 60.5 | 58.8 | 59.5 | 55.0 | 52.2 | 61.0 | 71.5 |
| Median Percentile | 50 | 19 | 26 | 14 | 14 | 18 | 26 | 23 | 26 | 14 | 10 | 28 | 56 |
| Grade Equivalent | 4.0 | 2.7 | 3.0 | 2.5 | 2.5 | 2.6 | 3.0 | 2.9 | 3.0 | 2.5 | 2.3 | 3.1 | 4.3 |
| % 1 Year or More Below Grade Level | 14 | 65 | 58 | 78 | 74 | 64 | 50 | 55 | 62 | 81 | 87 | 49 | 17 |

## Table C8-IIIK-23

### MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES USED IN THE ANALYTIC SAMPLE OF THE COHORT III KINDERGARTEN CHILDREN FOR THE PARENT EDUCATION MODEL

| | SPONSOR'S SITES | | | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | | | | | | | | | | | | | |
| Mean | 27.7 | 27.2 | — | 25.1 | 26.9 | 28.3 | 29.8 | 27.6 | 28.3 | 27.7 | 24.8 | 25.2 | 28.6 | 21.1 | 30.1 | 27.2 | 35.7 | 30.6 |
| Standard Deviation | — | — | — | 9.2 | 11.4 | 12.1 | 14.2 | 12.1 | 12.1 | 12.2 | 11.7 | 10.5 | 12.1 | 10.8 | 11.3 | 9.9 | 12.7 | 12.2 |
| HIGHEST OCCUPATION IN HOUSE | | | | | | | | | | | | | | | | | | |
| Mean | 13.7 | 14.2 | — | 12.9 | 13.6 | 13.9 | 13.6 | 14.1 | 13.9 | 13.5 | 14.4 | 14.7 | 13.5 | 13.5 | 13.6 | 14.9 | 15.8 | 15.7 |
| Standard Deviation | — | — | — | 1.5 | 1.9 | 1.9 | 1.8 | 2.2 | 1.9 | 2.1 | 2.0 | 2.0 | 1.8 | 1.9 | 1.9 | 2.0 | 2.1 | 2.6 |
| FAMILY INCOME IN DOLLARS | | | | | | | | | | | | | | | | | | |
| Mean | 5390 | 6373 | — | 5350 | 5407 | 4460 | 4477 | 6386 | 4460 | 4662 | 7287 | 5592 | 4168 | 4342 | 4344 | 8294 | 8443 | 7747 |
| Standard Deviation | — | — | — | 2972 | 2789 | 2318 | 2291 | 2761 | 2318 | 2521 | 2865 | 2941 | 2765 | 2580 | 2612 | 2200 | 2056 | 2360 |
| MISSING INCOME INFORMATION | | | | | | | | | | | | | | | | | | |
| No. Missing | — | — | — | 31 | 405 | 0 | 5 | 8 | 0 | 11 | 4 | 1 | 50 | 61 | 8 | 1 | 1 | 2 |
| Valid Cases | — | — | — | 28 | 54 | 15 | 35 | 21 | 15 | 47 | 23 | 53 | 34 | 33 | 34 | 34 | 39 | 34 |
| ETHNIC MEMBERSHIP/RACE | | | | | | | | | | | | | | | | | | |
| Percent White | 36 | 48 | — | 5 | 1 | 0 | 15 | 41 | 0 | 59 | 96 | 78 | 0 | 2 | 0 | 100 | 100 | 97 |
| Percent Black | 53 | 39 | — | 86 | 95 | 100 | 85 | 59 | 100 | 17 | 0 | 22 | 77 | 39 | 83 | 0 | 0 | 3 |
| SEX Percent Female | 55 | 52 | — | 58 | 54 | 53 | 55 | 66 | 53 | 52 | 37 | 56 | 51 | 47 | 43 | 57 | 55 | 50 |
| ENTRY AGE IN MONTHS | | | | | | | | | | | | | | | | | | |
| Mean | 65.6 | 65.5 | — | 62.4 | 61.9 | 61.6 | 67.4 | 66.8 | 61.6 | 65.6 | 65.8 | 63.4 | 67.5 | 67.8 | 62.7 | 65.3 | 65.4 | 64.5 |
| Standard Deviation | — | — | — | 3.4 | 3.5 | 3.8 | 5.0 | 5.5 | 3.8 | 4.2 | 4.8 | 3.6 | 3.6 | 3.2 | 3.5 | 4.1 | 4.1 | 4.2 |
| FIRST LANGUAGE | | | | | | | | | | | | | | | | | | |
| Percent English | 94 | 97 | — | 98 | 97 | 100 | 100 | 100 | 100 | 93 | 100 | 100 | 79 | 90 | 93 | 100 | 100 | 100 |
| BEST MATCHED SITE | | | | Morgan Comm Sch,DC | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

## Table C8-IIIK-24

## MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES FOR THE COHORT III KINDERGARTEN CHILDREN IN THE PARENT EDUCATION MODEL

| | ALL SITES | | SPONSOR'S SITES | | | PHILADELPHIA, PA | | | RICHMOND, VA | | | YAKIMA, WA | | | HOUSTON, TX | | | LAWRENCEBURG, IN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | | | | | | | | |
| Mean | 41.25 | 46.14 | 41.67 | 43.03 | — | 31.31 | 35.92 | 34.13 | 47.13 | 45.34 | 34.13 | 44.33 | 44.19 | 46.72 | 34.44 | 26.69 | 30.74 | 51.14 | 63.03 | 51.08 |
| Standard Deviation | | | — | — | — | 11.31 | 15.05 | 12.74 | 17.45 | 17.89 | 12.74 | 20.03 | 16.19 | 18.35 | 15.23 | 13.17 | 14.15 | 15.20 | 14.82 | 23.59 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | | | | | | | |
| Mean | 47.77 | 50.84 | 43.99 | 47.33 | — | 32.76 | 40.88 | 38.27 | 48.80 | 48.14 | 38.27 | 43.72 | 44.96 | 53.43 | 42.00 | 34.36 | 36.76 | 52.66 | 68.32 | 48.86 |
| Standard Deviation | | | — | — | — | 12.28 | 17.27 | 14.03 | 14.91 | 17.39 | 14.03 | 17.06 | 16.83 | 18.16 | 15.26 | 13.30 | 14.76 | 15.63 | 15.65 | 23.95 |
| LANGUAGE | | | | | | | | | | | | | | | | | | | | |
| Mean | 16.60 | 18.44 | 16.22 | 18.30 | — | 13.93 | 14.63 | 14.40 | 16.03 | 18.03 | 14.40 | 16.78 | 18.00 | 21.50 | 13.77 | 12.55 | 12.33 | 20.57 | 28.28 | 18.94 |
| Standard Deviation | | | — | — | — | 5.31 | 7.17 | 6.76 | 7.10 | 6.53 | 6.76 | 7.06 | 6.61 | 8.26 | 6.07 | 6.11 | 4.81 | 9.19 | 9.99 | 10.74 |
| SPELLING | | | | | | | | | | | | | | | | | | | | |
| Mean | 17.64 | 20.63 | 17.73 | 18.89 | — | 9.54 | 17.91 | 11.00 | 21.95 | 21.83 | 11.00 | 18.78 | 18.63 | 18.19 | 14.01 | 7.95 | 8.57 | 24.37 | 28.15 | 21.69 |
| Standard Deviation | | | — | — | — | 9.39 | 12.66 | 11.80 | 10.91 | 11.77 | 11.80 | 12.53 | 11.05 | 12.23 | 12.23 | 10.22 | 11.13 | 9.67 | 8.59 | 12.16 |
| RAVEN'S PROGRESSIVE MAT. | | | | | | | | | | | | | | | | | | | | |
| Mean | 18.15 | 18.95 | 18.06 | 18.99 | — | 15.24 | 16.97 | 16.53 | 18.80 | 18.59 | 16.53 | 19.31 | 21.22 | 19.80 | 16.54 | 15.62 | 16.69 | 20.43 | 22.58 | 20.83 |
| Standard Deviation | | | — | — | — | 4.67 | 4.52 | 4.14 | 4.02 | 3.47 | 4.14 | 3.97 | 3.90 | 4.20 | 4.05 | 4.81 | 4.28 | 3.78 | 3.55 | 4.25 |
| COOPERSMITH'S SELF-EST. | | | | | | | | | | | | | | | | | | | | |
| Mean | 35.64 | 36.59 | 35.19 | 35.98 | — | 34.32 | 35.73 | 32.67 | 36.25 | 37.52 | 32.67 | 34.34 | 34.93 | 34.96 | 33.56 | 32.69 | 33.57 | 37.46 | 39.05 | 35.97 |
| Standard Deviation | | | — | — | — | 7.14 | 7.25 | 8,89 | 6.13 | 6.52 | 8.89 | 8.43 | 7.69 | 7.75 | 6.95 | 8.77 | 7.81 | 6.22 | 7.74 | 6.39 |
| IARS-LOCUS NEGATIVE | | | | | | | | | | | | | | | | | | | | |
| Mean | 9.91 | 10.11 | 9.94 | 9.18 | — | 9.02 | 9.79 | 8.47 | 10.08 | 8.66 | 8.47 | 9.43 | 8.96 | 10.13 | 9.99 | 8.52 | 8.98 | 11.20 | 9.95 | 10.75 |
| Standard Deviation | | | — | — | — | 2.87 | 2.76 | 3.00 | 1.87 | 3.14 | 3.00 | 2.71 | 2.23 | 2.30 | 2.43 | 2.57 | 3.06 | 2.40 | 3.68 | 2.85 |
| IARS-LOCUS POSITIVE | | | | | | | | | | | | | | | | | | | | |
| Mean | 12.83 | 13.07 | 12.89 | 12.70 | — | 11.83 | 12.78 | 12.60 | 13.33 | 12.72 | 12.60 | 12.43 | 12.52 | 13.37 | 12.88 | 11.97 | 11.60 | 13.97 | 13.53 | 12.61 |
| Standard Deviation | | | — | — | — | 2.45 | 2.43 | 2.16 | 1.98 | 3.12 | 2.16 | 2.52 | 2.71 | 1.90 | 2.43 | 2.91 | 2.58 | 2.84 | 1.93 | 2.64 |
| WORD KNOWLEDGE | | | | | | | | | | | | | | | | | | | | |
| Mean | 23.30 | 26.29 | 24.10 | 24.41 | — | 17.05 | 20.68 | 19.53 | 26.98 | 26.24 | 19.53 | 25.90 | 25.11 | 26.41 | 19.42 | 14.00 | 16.74 | 31.17 | 36.03 | 29.56 |
| Standard Deviation | | | — | — | — | 7.20 | 9.79 | 8.06 | 10.06 | 11.06 | 8.06 | 12.09 | 10.26 | 10.75 | 10.16 | 8.41 | 9.07 | 8.84 | 8.68 | 13.06 |
| READING | | | | | | | | | | | | | | | | | | | | |
| Mean | 17.95 | 19.85 | 17.57 | 18.62 | — | 14.25 | 15.24 | 14.60 | 20.15 | 19.10 | 14.60 | 18.43 | 19.07 | 20.31 | 15.02 | 12.69 | 14.00 | 19.97 | 27.00 | 21.53 |
| Standard Deviation | | | — | — | — | 5.54 | 6.24 | 5.45 | 7.84 | 7.46 | 5.45 | 8.73 | 6.74 | 8.64 | 6.29 | 5.56 | 5.74 | 7.22 | 7.28 | 11.37 |
| MATH COMPUTATIONS | | | | | | | | | | | | | | | | | | | | |
| Mean | 18.16 | 18.55 | 15.96 | 16.95 | — | 12.29 | 14.86 | 14.87 | 17.65 | 17.66 | 14.87 | 15.28 | 14.56 | 19.17 | 16.44 | 13.53 | 13.36 | 18.14 | 24.15 | 16.83 |
| Standard Deviation | | | — | — | — | 3.79 | 6.25 | 4.85 | 5.83 | 7.45 | 4.85 | 6.81 | 6.09 | 6.77 | 6.21 | 5.27 | 5.83 | 5.54 | 5.72 | 8.37 |
| MATH CONCEPTS | | | | | | | | | | | | | | | | | | | | |
| Mean | 16.41 | 18.04 | 15.51 | 17.05 | — | 10.95 | 14.83 | 14.00 | 16.78 | 17.41 | 14.00 | 16.48 | 16.81 | 19.06 | 13.93 | 11.77 | 13.62 | 19.40 | 24.45 | 17.89 |
| Standard Deviation | | | — | — | — | 5.91 | 7.11 | 6.72 | 5.21 | 6.74 | 6.72 | 6.90 | 5.94 | 6.64 | 6.01 | 5.90 | 6.32 | 6.03 | 5.24 | 8.43 |
| MATH PROBLEM SOLVING | | | | | | | | | | | | | | | | | | | | |
| Mean | 13.20 | 14.25 | 12.52 | 13.33 | — | 9.53 | 11.19 | 9.40 | 14.38 | 13.07 | 9.40 | 11.97 | 13.59 | 15.20 | 11.63 | 9.06 | 9.79 | 15.11 | 19.73 | 14.14 |
| Standard Deviation | | | — | — | — | 4.88 | 5.57 | 4.47 | 5.85 | 5.44 | 4.47 | 5.84 | 6.08 | 6.58 | 5.29 | 4.19 | 4.88 | 6.07 | 6.57 | 8.35 |
| LANGUAGE PART A | | | | | | | | | | | | | | | | | | | | |
| Mean | 7.59 | 8.13 | 7.69 | 7.82 | — | 6.17 | 6.94 | 6.40 | 8.08 | 8.28 | 6.40 | 8.29 | 7.70 | 8.65 | 6.94 | 5.09 | 5.50 | 8.97 | 11.10 | 8.75 |
| Standard Deviation | | | — | — | — | 3.07 | 3.22 | 3.48 | 3.21 | 2.95 | 3.48 | 3.50 | 2.77 | 2.59 | 3.04 | 2.62 | 3.31 | 2.99 | 2.52 | 3.35 |
| LANGUAGE PART B | | | | | | | | | | | | | | | | | | | | |
| Mean | 9.01 | 10.31 | 8.53 | 10.48 | — | 7.76 | 7.69 | 8.00 | 7.95 | 9.76 | 8.00 | 8.48 | 10.30 | 12.85 | 6.83 | 7.47 | 6.83 | 11.60 | 17.18 | 10.19 |
| Standard Deviation | | | — | — | — | 3.34 | 5.07 | 4.71 | 5.04 | 4.85 | 4.71 | 4.83 | 5.17 | 6.78 | 4.38 | 4.72 | 3.34 | 7.46 | 8.20 | 8.36 |
| BEST MATCH SITE | | | | | | Morgan Comm Sch, DC | | | Morgan Comm Sch, DC | | | Okaloosa Co., FL | | | Los Angeles, CA | | | Burlington, VT | | |

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C8-IIIK-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K LOCAL ANALYSES FOR THE PARENT EDUCATION MODEL

CODE

FKW = Fall Kindergarten WRAT
NOFKW = Missing WRAT
LANG = First Language
INCOME = Income
NOOCCUP = Missing Occupation
SEX = Sex
OCCUP = Occupation
ENTAGE = Entry Age
ETH1 = White vs. Black
ETH2 = White vs. Other
NOINC = Missing Income

MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .64457823 | .63591931E-01 |
| NOFKW | -7.8915043 | 6.8403386 |
| LANG | 4.6465122 | 4.5356761 |
| INCOME | .23091318E-03 | .24959968E-03 |
| NOOCCUP | 3.1128287 | 4.2150434 |
| SEX | .61460705 | 1.4322866 |
| OCCUP | .43186971 | .35010733 |
| ENTAGE | -.44671856 | .19190103 |
| ETH1 | 3.7995430 | 1.8652555 |
| ETH2 | -2.1861330 | 2.4138340 |
| NOINC | -4.7190580 | 4.1045294 |

MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .67109045 | .68645182E-01 |
| NOFKW | -4.7674279 | 7.3838973 |
| LANG | 7.6400010 | 4.8960978 |
| INCOME | .10933657E-03 | .26943380E-03 |
| NOOCCUP | 4.5044062 | 4.5499864 |
| SEX | .28534126 | 1.5461015 |
| OCCUP | .14227357 | .37792816 |
| ENTAGE | -.31237492 | .20715020 |
| ETH1 | .90213999 | 2.0134757 |
| ETH2 | -1.2311911 | 2.6056462 |
| NOINC | -3.2792175 | 4.4306905 |

MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .44863769 | .50407078E-01 |
| NOFKW | -5.4798467 | 5.4220948 |
| LANG | -.86329778 | 3.5952703 |
| INCOME | .12280800E-03 | .19784885E-03 |
| NOOCCUP | .57356358 | 3.3411160 |
| SEX | 2.7717546 | 1.1353230 |
| OCCUP | .20353121 | .27751771 |
| ENTAGE | -.29132404 | .15211317 |
| ETH1 | .48808393 | 1.4785222 |
| ETH2 | -.74399997 | 1.9133609 |
| NOINC | -1.0121769 | 3.2535155 |

MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .26731235 | .30356035E-01 |
| NOFKW | -2.5597217 | 3.2652815 |
| LANG | 3.1770953 | 2.1651354 |
| INCOME | .49233785E-04 | .11914808E-03 |
| NOOCCUP | .57729094 | 2.0120792 |
| SEX | .90890695 | .68371164 |
| OCCUP | .18796943 | .16712608 |
| ENTAGE | -.61981152E-01 | .91605243E-01 |
| ETH1 | .86856172 | .89039224 |
| ETH2 | -1.2428795 | 1.1522598 |
| NOINC | -1.0279455 | 1.9593246 |

Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .15142488 | .18940874E-01 |
| NOFKW | 1.2953242 | 2.0373967 |
| LANG | 2.5197114 | 1.3509524 |
| INCOME | -.10854273E-04 | .74343333E-04 |
| NOOCCUP | .70617848E-01 | 1.2554518 |
| SEX | -.99900090 | .42660697 |
| OCCUP | .81956362E-01 | .10427956 |
| ENTAGE | -.82628108E-01 | .57157773E-01 |
| ETH1 | 1.6455787 | .55556687 |
| ETH2 | -1.9485775 | .71896110 |
| NOINC | -.60753126E-02 | 1.2225352 |

Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .13783770 | .34488547E-01 |
| NOFKW | -3.2242177 | 3.7097999 |
| LANG | 4.8545886 | 2.4598857 |
| INCOME | -.24526553E-04 | .13536828E-03 |
| NOOCCUP | 2.5862075 | 2.2859932 |
| SEX | .83127091 | .77678858 |
| OCCUP | .62897012E-01 | .18987776 |
| ENTAGE | -.14676839E-01 | .10407590 |
| ETH1 | 1.6156756 | 1.0116056 |
| ETH2 | -2.1515345 | 1.3091225 |
| NOINC | -2.8695903 | 2.2260569 |

IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .62189688E-01 | .11569098E-01 |
| NOFKW | .14901682 | 1.2444433 |
| LANG | .32218482 | .82516260 |
| INCOME | .33822892E-05 | .45408957E-04 |
| NOOCCUP | .42093322 | .76683080 |
| SEX | .10561243 | .26057182 |
| OCCUP | .11668967E-01 | .63694026E-01 |
| ENTAGE | -.25575277E-01 | .34912006E-01 |
| ETH1 | .20342245 | .33934061 |
| ETH2 | -.39271061 | .43914192 |
| NOINC | -.29289255 | .74672530 |

## Table C8-IIIK-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .47266716E-01 | .12832647E-01 |
| NOFKW | -.91605626 | 1.3803584 |
| LANG | -.83421433E-01 | .91528488 |
| INCOME | .22239444E-04 | .50368414E-04 |
| NOOCCUP | .24143757 | .85058221 |
| SEX | .15548824E-01 | .28903084 |
| OCCUP | .24744095E-01 | .70650534E-01 |
| ENTAGE | .86159609E-02 | .38725011E-01 |
| ETH1 | -.26423178 | .37640258 |
| ETH2 | -.61296372E-01 | .48710394 |
| NOINC | -.11069827 | .82828084 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .39773544 | .40789102E-01 |
| NOFKW | -3.0972644 | 4.3875263 |
| LANG | 3.3179010 | 2.9092709 |
| INCOME | .14928158E-03 | .16009809E-03 |
| NOOCCUP | 1.2761398 | 2.7036108 |
| SEX | -.21103580E-01 | .91869652 |
| OCCUP | .28189394 | .22456565 |
| ENTAGE | -.26973432 | .12308905 |
| ETH1 | 2.7762848 | 1.1964112 |
| ETH2 | -1.7697502 | 1.5482801 |
| NOINC | -1.9293306 | 2.6327250 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .24684279 | .28011207E-01 |
| NOFKW | -4.7942399 | 3.0130574 |
| LANG | 1.3286112 | 1.9978912 |
| INCOME | .81631601E-04 | .10994458E-03 |
| NOOCCUP | 1.8366889 | 1.8566577 |
| SEX | .63571063 | .63089886 |
| OCCUP | .14997577 | .15421656 |
| ENTAGE | -.17698424 | .84529267E-01 |
| ETH1 | 1.0232582 | .82161459 |
| ETH2 | -.41638284 | 1.0632544 |
| NOINC | -2.7897274 | 1.8079781 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .27043049 | .28027310E-01 |
| NOFKW | -1.4831834 | 3.0147896 |
| LANG | 3.3902402 | 1.9990398 |
| INCOME | .26775346E-04 | .11000779E-03 |
| NOOCCUP | 1.9050021 | 1.8577251 |
| SEX | -.16475898 | .63126156 |
| OCCUP | .62777404E-01 | .15430521 |
| ENTAGE | -.13752392 | .84577862E-01 |
| ETH1 | .82315673 | .82208692 |
| ETH2 | -.80479901 | 1.0638657 |
| NOINC | -1.8470761 | 1.8090175 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .19668384 | .26952878E-01 |
| NOFKW | -1.9027763 | 2.8992171 |
| LANG | 2.9192125 | 1.9224063 |
| INCOME | .58156262E-04 | .10579062E-03 |
| NOOCCUP | .74590641 | 1.7865089 |
| SEX | .16107202 | .60706205 |
| OCCUP | .28585752E-01 | .14838990 |
| ENTAGE | -.10109984 | .81335556E-01 |
| ETH1 | .13892976 | .79057209 |
| ETH2 | -.67712652 | 1.0230822 |
| NOINC | -.29593410 | 1.7396685 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .20397612 | .23858866E-01 |
| NOFKW | -1.3814682 | 2.5664062 |
| LANG | 1.3305483 | 1.7017267 |
| INCOME | .24404958E-04 | .93646557E-04 |
| NOOCCUP | 1.8534977 | 1.5814295 |
| SEX | .28902822 | .53737534 |
| OCCUP | .50910412E-01 | .13135572 |
| ENTAGE | -.73751161E-01 | .71999772E-01 |
| ETH1 | -.59946501E-01 | .69981964 |
| ETH2 | .25073442 | .90563913 |
| NOINC | -1.1362073 | 1.5399661 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .10790461 | .13700745E-01 |
| NOFKW | -1.3096951 | 1.4737362 |
| LANG | 1.1153996 | .97720167 |
| INCOME | .87143325E-06 | .53775715E-04 |
| NOOCCUP | .38107595 | .90812203 |
| SEX | .22339845 | .30858308 |
| OCCUP | .45348563E-01 | .75429871E-01 |
| ENTAGE | -.35521405E-01 | .41344664E-01 |
| ETH1 | .10435648 | .40186529 |
| ETH2 | -.30828503 | .52005534 |
| NOINC | -.59027669 | .88431203 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .15940773 | .23006248E-01 |
| NOFKW | -1.2500266 | 2.4746933 |
| LANG | 2.0616957 | 1.6409140 |
| INCOME | .48362352E-04 | .90300013E-04 |
| NOOCCUP | .19621499 | 1.5249157 |
| SEX | .68550850 | .51817175 |
| OCCUP | .14262087 | .12666160 |
| ENTAGE | -.26459747E-01 | .69425831E-01 |
| ETH1 | .76420523 | .67481096 |
| ETH2 | -.93459442 | .87327530 |
| NOINC | -.43766884 | 1.4849340 |

**COHORT III-K**
**Preschool Adjusted Study**

## Table C8-IIIK(PS)-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K PRESCHOOL ADJUSTED LOCAL ANALYSES FOR THE PARENT EDUCATION MODEL

CODE

SEX = Sex
ENTAGE = Entry Age
OCCUP = Occupation
INCOME = Income
NOINC = Missing Income
NOOCCUP = Missing Occupation
ETH2 = White vs. Other
ETH1 = White vs. Black
LANG = First Language
PSHS = Head Start
PSSOME = Some Preschool
FKW = Fall Kindergarten WRAT
FKWHS = FKW x Head Start
FKWSOME = FKW x Some Preschool

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .22704995 | 1.4344396 |
| ENTAGE | -.44616338 | .18609799 |
| OCCUP | .53308595 | .35253227 |
| INCOME | .25981971E-03 | .25403719E-03 |
| NOINC | -6.1701826 | 3.7469439 |
| NOOCCUP | 4.0820352 | 3.8902275 |
| ETH2 | -1.0329077 | 3.0034836 |
| ETH1 | 3.4298088 | 2.1296639 |
| LANG | 2.9682517 | 5.3296503 |
| PSHS | -1.8009020 | 5.4177376 |
| PSSOME | -2.4902177 | 4.3975906 |
| FKW | .66849671 | .61145977E-01 |
| FKWHS | -.20007283E-01 | .17506028 |
| FKWSOME | -.13895687E-01 | .13972340 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.30845408 | 1.5476902 |
| ENTAGE | -.31046548 | .20079063 |
| OCCUP | .17334677 | .38036509 |
| INCOME | .94588226E-04 | .27409371E-03 |
| NOINC | -4.1527479 | 4.0427693 |
| NOOCCUP | 5.0634668 | 4.1973652 |
| ETH2 | -.80496153E-02 | 3.2406120 |
| ETH1 | .33793878 | 2.2978032 |
| LANG | 6.4328298 | 5.7504321 |
| PSHS | -2.8773089 | 5.8454740 |
| PSSOME | 1.6147206 | 4.7447853 |
| FKW | .75361834 | .87552542E-01 |
| FKWHS | -.75670038E-01 | .18888148 |
| FKWSOME | -.13630630 | .15075472 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 2.3739208 | 1.1273259 |
| ENTAGE | -.30916666 | .14625440 |
| OCCUP | .24579844 | .27705509 |
| INCOME | .10499552E-03 | .19964781E-03 |
| NOINC | -1.7572169 | 2.9447229 |
| NOOCCUP | .60162401 | 3.0573295 |
| ETH2 | -.14846727 | 2.3604375 |
| ETH1 | .52659541 | 1.6737027 |
| LANG | -3.0862355 | 4.1885717 |
| PSHS | -3.9217731 | 4.2577995 |
| PSSOME | -2.5821621 | 3.4560661 |
| FKW | .44378861 | .63772617E-01 |
| FKWHS | .31944155E-01 | .13757986 |
| FKWSOME | .34172137E-01 | .10980861 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .60361918 | .69410311 |
| ENTAGE | -.60724591E-01 | .90049938E-01 |
| OCCUP | .21695815 | .17058491 |
| INCOME | .30488338E-04 | .12292467E-03 |
| NOINC | -1.2010774 | 1.8130882 |
| NOOCCUP | 1.0779547 | 1.8824209 |
| ETH2 | -1.2045102 | 1.4533392 |
| ETH1 | .97108491 | 1.0305114 |
| LANG | 3.6355272 | 2.5789353 |
| PSHS | .79609444 | 2.6215594 |
| PSSOME | -2.4148093 | 2.1279261 |
| FKW | .27191527 | .39265283E-01 |
| FKWHS | -.10273495 | .84708961E-01 |
| FKWSOME | .69280878E-01 | .67609992E-01 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.1262425 | .43360299 |
| ENTAGE | -.93929533E-01 | .56253778E-01 |
| OCCUP | .10087872 | .10656360 |
| INCOME | -.25812015E-04 | .76790467E-04 |
| NOINC | -.34935652 | 1.1326278 |
| NOOCCUP | .31616528 | 1.1759396 |
| ETH2 | -1.5039520 | .90789427 |
| ETH1 | 1.5377977 | .64375508 |
| LANG | 2.0430576 | 1.6110489 |
| PSHS | .95393660 | 1.6376760 |
| PSSOME | -.30329142E-01 | 1.3293055 |
| FKW | .16442327 | .24528840E-01 |
| FKWHS | -.52573945E-01 | .52917294E-01 |
| FKWSOME | -.16886079E-01 | .42235648E-01 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 1.0959774 | .78981190 |
| ENTAGE | -.55285252E-01 | .10246678 |
| OCCUP | .88870244E-01 | .19410660 |
| INCOME | -.52011847E-04 | .13967455E-03 |
| NOINC | -3.2552938 | 2.0630921 |
| NOOCCUP | 3.1402197 | 2.1419849 |
| ETH2 | -2.2185222 | 1.6537379 |
| ETH1 | 1.4245029 | 1.1726070 |
| LANG | 4.9434208 | 2.9345406 |
| PSHS | -.67639925 | 2.9830421 |
| PSSOME | -1.4192994 | 2.4213424 |
| FKW | .13175420 | .44679511E-01 |
| FKWHS | -.31022199E-01 | .96389346E-01 |
| FKWSOME | .22713838E-01 | .76932678E-01 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.56998412E-01 | .25673220 |
| ENTAGE | -.25128700E-01 | .33307327E-01 |
| OCCUP | .11370422E-01 | .63095295E-01 |
| INCOME | -.59629300E-05 | .45406905E-04 |
| NOINC | -.63316257 | .67061812 |
| NOOCCUP | .58651051 | .69626263 |
| ETH2 | .15008370 | .53755556 |
| ETH1 | -.56066312E-01 | .30116161 |
| LANG | -.71023276 | .95388672 |
| PSHS | .53431436 | .96965236 |
| PSSOME | -.16006285 | .78706915 |
| FKW | .71318510E-01 | .14523293E-01 |
| FKWHS | -.28097736E-01 | .31331876E-01 |
| FKWSOME | -.41746661E-02 | .25007325E-01 |

## Table C8-IIIK(PS)-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.16138226 | .29306461 |
| ENTAGE | .22305060E-01 | .38020936E-01 |
| OCCUP | .31964891E-01 | .72024458E-01 |
| INCOME | .16819207E-04 | .51901372E-04 |
| NOINC | -.23128534 | .76552312 |
| NOOCCUP | .22045291 | .79479680 |
| ETH2 | .25811307 | .61302971 |
| ETH1 | -.40279978 | .43510311 |
| LANG | -.75317295 | 1.0888705 |
| PSHS | -1.5468416 | 1.1068743 |
| PSSOME | -.42227208 | .89845414 |
| FKW | .42419798E-01 | .16578610E-01 |
| FKWHS | .28671585E-01 | .35765865E-01 |
| FKWSOME | .13285782E-01 | .28546329E-01 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.33296008 | .91926548 |
| ENTAGE | -.27492105 | .11926153 |
| OCCUP | .34235430 | .22592151 |
| INCOME | .16311384E-03 | .19280060E-03 |
| NOINC | -2.7590905 | 2.4612418 |
| NOOCCUP | 2.1045911 | 2.4930655 |
| ETH2 | -1.2279371 | 1.9247927 |
| ETH1 | 2.6015200 | 1.3648074 |
| LANG | 2.3514481 | 3.4155245 |
| PSHS | -1.0930422 | 3.4719756 |
| PSSOME | -.79961014 | 2.8182109 |
| FKW | .42053654 | .52002676E-01 |
| FKWHS | -.35653652E-01 | .11218798 |
| FKWSOME | -.39293495E-01 | .89542218E-01 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .55995003 | .63608252 |
| ENTAGE | -.17124233 | .82522597E-01 |
| OCCUP | .19873165 | .15632559 |
| INCOME | .96705872E-04 | .11264930E-03 |
| NOINC | -3.4110921 | 1.6615308 |
| NOOCCUP | 1.9774442 | 1.7250679 |
| ETH2 | .17502938 | 1.3318535 |
| ETH1 | .82828084 | .94437018 |
| LANG | .61680362 | 2.3633602 |
| PSHS | -.70785985 | 2.4024213 |
| PSSOME | -1.6916076 | 1.9500511 |
| FKW | .24791217 | .35983068E-01 |
| FKWHS | .15645769E-01 | .77628075E-01 |
| FKWSOME | .25397807E-01 | .61958472E-01 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.33629788 | .62665410 |
| ENTAGE | -.13505564 | .81299395E-01 |
| OCCUP | .72551664E-01 | .15400844 |
| INCOME | .25510072E-04 | .11097954E-03 |
| NOINC | -2.1855316 | 1.6309026 |
| NOOCCUP | 2.1551906 | 1.6994979 |
| ETH2 | -.60032298 | 1.3121120 |
| ETH1 | .62619436 | .93037214 |
| LANG | 3.3495389 | 2.3283790 |
| PSHS | .13869427E-01 | 2.3668111 |
| PSSOME | 1.2224696 | 1.9211463 |
| FKW | .31212731 | .35449705E-01 |
| FKWHS | -.61192602E-01 | .76477474E-01 |
| FKWSOME | -.74636272E-01 | .61040036E-01 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.13405973 | .61311163 |
| ENTAGE | -.12316658 | .79542453E-01 |
| OCCUP | .40460267E-01 | .15068090 |
| INCOME | .56967022E-04 | .10658119E-03 |
| NOINC | -.52401460 | 1.6015278 |
| NOOCCUP | .78900498 | 1.6427734 |
| ETH2 | -.19821085 | 1.2837542 |
| ETH1 | .31957817E-01 | .91026409 |
| LANG | 2.2951682 | 2.2780170 |
| PSHS | -3.5490573 | 2.3156625 |
| PSSOME | -.34543666 | 1.8796298 |
| FKW | .20065684 | .34683610E-01 |
| FKWHS | .59912771E-01 | .74824688E-01 |
| FKWSOME | -.16302671E-01 | .59720914E-01 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .16196353 | .54301198 |
| ENTAGE | -.52243264E-01 | .70448098E-01 |
| OCCUP | .60335435E-01 | .13345229 |
| INCOME | .12111131E-04 | .96166643E-04 |
| NOINC | -1.4432017 | 1.4184186 |
| NOOCCUP | 2.1192712 | 1.4726588 |
| ETH2 | .79049222 | 1.1369789 |
| ETH1 | -.32011340 | .80619151 |
| LANG | .78810264 | 2.0175573 |
| PSHS | .65785898 | 2.0509030 |
| PSSOME | .73768765 | 1.0647229 |
| FKW | .24083419 | .30718086E-01 |
| FKWHS | -.74391007E-01 | .66269665E-01 |
| FKWSOME | -.45367355E-01 | .52892769E-01 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .13613918 | .31686974 |
| ENTAGE | -.40150500E-01 | .41109311E-01 |
| OCCUP | .57656925E-01 | .77874880E-01 |
| INCOME | -.10973265E-04 | .56117176E-04 |
| NOINC | -.69572828 | .82770524 |
| NOOCCUP | .57483786 | .85935878 |
| ETH2 | -.52227155 | .66347390 |
| ETH1 | .25685648 | .47044578 |
| LANG | 1.4004474 | 1.1773273 |
| PSHS | -.37646775 | 1.1967859 |
| PSSOME | -.50422006 | .97143402 |
| FKW | .10979983 | .17925242E-01 |
| FKWHS | -.15159071E-01 | .36671065E-0[illegible] |
| FKWSOME | .50370403E-02 | .30865098E-01 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .46748000 | .52632441 |
| ENTAGE | -.20574091E-01 | .68283054E-01 |
| OCCUP | .15930122 | .12935110 |
| INCOME | .41461604E-04 | .93211298E-04 |
| NOINC | -.51534915 | 1.3748283 |
| NOOCCUP | .50311688 | 1.4274018 |
| ETH2 | -.68223065 | 1.1020379 |
| ETH1 | .71423444 | .70141684 |
| LANG | 2.2350798 | 1.9555547 |
| PSHS | 1.1729622 | 1.9878757 |
| PSSOME | -1.9105832 | 1.6135635 |
| FKW | .16211544 | .24774073E-01 |
| FKWHS | -.87576860E-01 | .64233099E-01 |
| FKWSOME | .64243658E-01 | .51207205E-01 |

## Table C8-IIIK(PS)-26

## TREATMENT REGRESSION COEFFICIENTS AND STANDARD ERRORS BY OUTCOME FOR HEAD START STUDIES OF COHORT III-K SITES IN THE PARENT EDUCATION MODEL

| | Philadelphia, PA | | Richmond, VA | | Yakima, WA | | Houston, TX | | Lawrenceburg, IN | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local |
| Word Knowledge | | | | | | | | | | |
| b | -2.92 | -3.27 | 5.11 | 3.13 | 4.09 | 4.20 | - .35 | 5.77 | -1.28 | - .53 |
| Standard Error | .94 | 1.88 | 1.64 | 3.29 | 1.45 | 3.23 | 1.09 | 2.65 | 1.35 | 2.87 |
| Spelling | | | | | | | | | | |
| b | -8.05** | -7.87** | 5.54** | 1.79 | .257 | 2.87 | 1.06 | 6.48* | -1.85 | 1.05 |
| Standard Error | 1.17 | 2.30 | 1.79 | 4.04 | 1.49 | 3.96 | 1.32 | 3.25 | 1.64 | 3.52 |
| Language | | | | | | | | | | |
| b | .03 | - .20 | .05 | -.25 | - .62 | - .47 | -2.00** | .76 | -6.69** | -4.43* |
| Standard Error | .80 | 1.42 | 1.01 | 2.48 | .84 | 2.44 | .70 | 2.00 | 1.56 | 2.16 |
| Math Computations | | | | | | | | | | |
| b | -1.77** | -2.05 | 2.36* | 1.15 | .90 | 1.98 | 1.22 | 4.02* | -4.86** | -3.83* |
| Standard Error | .48 | 1.25 | .93 | 2.19 | 1.01 | 2.15 | .70 | 1.77 | .83 | 1.91 |
| Raven's | | | | | | | | | | |
| b | -1.53* | 1.52 | 1.36 | .87 | .78 | -1.25 | - .07 | 2.64* | .34 | - .56 |
| Standard Error | .59 | .89 | .78 | 1.55 | .56 | 1.52 | .53 | 1.25 | .65 | 1.35 |
| Reading | | | | | | | | | | |
| b | - .42 | - .78 | 4.32** | 2.01 | 1.38 | .78 | - .89 | 1.66 | -5.78** | -4.61* |
| Standard Error | .74 | 1.30 | 1.12 | 2.28 | 1.05 | 2.23 | .66 | 1.83 | 1.05 | 1.98 |
| Math Concepts | | | | | | | | | | |
| b | -2.96** | -3.38** | 1.98 | .48 | .84 | .76 | - .40 | 2.64 | -2.72** | -2.10 |
| Standard Error | .69 | 1.28 | 1.12 | 2.24 | .78 | 2.20 | .72 | 1.81 | .89 | 1.95 |
| Math Problem Solving | | | | | | | | | | |
| b | -1.03 | - .97 | 3.47 | 2.38 | -1.93 | -1.06 | - .07 | 1.59 | -2.86 | -2.27 |
| Standard Error | .62 | 1.11 | .98 | 1.94 | .78 | 1.91 | .63 | 1.56 | .85 | 1.69 |
| Coopersmith | | | | | | | | | | |
| b | - .86 | -1.13 | 1.81 | - .46 | .63 | - .62 | 1.15 | 2.45 | - .13 | .05 |
| Standard Error | .98 | 1.61 | 1.09 | 2.83 | 1.13 | 2.77 | .80 | 2.28 | 1.04 | 2.46 |
| IARS (-) | | | | | | | | | | |
| b | - .43 | - .43 | 2.84* | 1.15 | .10 | .61 | .65* | 1.60 | 1.56** | 1.88* |
| Standard Error | .38 | .60 | .40 | 1.05 | .40 | 1.03 | .27 | .84 | .35 | .91 |
| IARS (+) | | | | | | | | | | |
| b | - .78* | - .68 | 1.43** | .93 | .29 | .16 | .96** | 1.69* | .95* | 1.12 |
| Standard Error | .33 | .52 | .36 | .92 | .40 | .90 | .27 | .74 | .46 | .80 |
| Total Reading | | | | | | | | | | |
| b | -3.33* | -4.04 | 9.43** | 5.13 | 5.49* | 4.98 | -1.25 | 7.43 | -6.55* | -5.14 |
| Standard Error | 1.47 | 2.93 | 2.68 | 5.13 | 2.36 | 5.04 | 1.59 | 4.13 | 2.25 | 4.47 |
| Total Math | | | | | | | | | | |
| b | -5.76** | -6.40* | 7.82** | 4.01 | - .18 | 1.67 | .76 | 8.25 | -10.44** | -8.21 |
| Standard Error | 1.41 | 3.16 | 2.60 | 5.54 | 2.02 | 5.44 | 1.82 | 4.46 | 2.28 | 4.83 |
| Language Part A | | | | | | | | | | |
| b | - .56 | - .52 | .66 | - .04 | .79 | .96 | .40 | 1.70 | -1.80** | - .92 |
| Standard Error | .41 | .65 | .52 | 1.13 | .41 | 1.11 | .36 | .91 | .50 | .99 |
| Language Part B | | | | | | | | | | |
| b | .60 | .32 | - .61 | -1.21 | -1.41* | -1.43 | -2.40** | -. 94 | -4.89** | -3.51* |
| Standard Error | .57 | 1.08 | .72 | 1.88 | .64 | 1.85 | .51 | 1.52 | 1.26 | 1.64 |

* $p < .05$

** $p < .01$

Table C8-IIIK(PS)-27

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR PARENT EDUCATION MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 92 | 72 | 90 | 254 | 17 | 123 | 341 | 481 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 28.68 | 29.71 | 25.46 | 27.83 | 27.18 | 30.19 | 26.11 | 27.19 |
| STANDARD DEVIATION | 11.79 | 11.97 | 11.57 | 11.68 | 14.88 | 11.62 | 12.02 | 12.13 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.56 | 13.60 | 13.92 | 13.69 | 13.75 | 14.69 | 14.09 | 14.24 |
| STANDARD DEVIATION | 1.81 | 2.05 | 2.07 | 1.98 | 1.67 | 2.46 | 2.08 | 2.18 |
| NUMBER | 61 | 60 | 62 | 183 | 8 | 48 | 114 | 170 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4446.52 | 5287.93 | 6296.34 | 5343.28 | 5150.00 | 6324.75 | 6334.95 | 6275.25 |
| STANDARD DEVIATION | 2421.26 | 3107.47 | 2959.64 | 2929.27 | 2011.40 | 2805.47 | 3081.26 | 2958.80 |
| MEDIAN | 3300.00 | 4650.00 | 6299.50 | 4917.08 | 5950.00 | 6200.00 | 6800.00 | 6236.18 |
| NUMBER | 58 | 59 | 58 | 175 | 8 | 48 | 111 | 167 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 3.45 | 20.34 | 20.69 | 14.86 | 0.00 | 25.00 | 18.92 | 19.76 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 26.09 | 19.44 | 38.89 | 28.74 | 11.76 | 13.01 | 18.48 | 16.84 |
| PERCENT BLACK | 60.87 | 72.22 | 43.33 | 57.87 | 88.24 | 81.30 | 75.95 | 77.75 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 50.00 | 61.11 | 53.33 | 54.33 | 64.71 | 61.79 | 49.85 | 53.43 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 66.65 | 64.62 | 65.65 | 65.72 | 62.88 | 62.58 | 63.38 | 63.15 |
| STANDARD DEVIATION | 4.04 | 4.05 | 4.98 | 4.46 | 4.42 | 4.23 | 4.34 | 4.32 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 89.13 | 94.44 | 92.22 | 91.73 | 100.00 | 95.93 | 96.19 | 96.26 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.43 | 11.86 | 11.66 | 11.65 | 11.72 | 11.68 | 11.40 | 11.49 |
| STANDARD DEVIATION | 2.41 | 2.49 | 2.47 | 2.45 | 1.06 | 2.69 | 2.39 | 2.43 |
| NUMBER | 57 | 58 | 61 | 176 | 8 | 50 | 112 | 170 |
| PERCENT HS GRAD | 43.86 | 50.00 | 49.18 | 47.73 | 37.50 | 48.00 | 41.07 | 42.94 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 35.48 | 49.18 | 23.81 | 36.02 | 25.00 | 29.41 | 27.59 | 28.00 |
| NUMBER | 62 | 61 | 63 | 186 | 8 | 51 | 116 | 175 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 36.22 | 100.00 | 0.00 | 0.00 | 3.53 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 28.35 | 0.00 | 100.00 | 0.00 | 25.57 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 35.43 | 0.00 | 0.00 | 100.00 | 70.89 |

## Table C8-IIIK(PS)-28

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR PARENT EDUCATION MODEL IN PHILADELPHIA, PA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 2 | 32 | 20 | 54 | 13 | 98 | 243 | 354 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 23.50 | 27.97 | 20.45 | 25.02 | 28.08 | 29.71 | 26.26 | 27.28 |
| STANDARD DEVIATION | 13.44 | 8.69 | 8.77 | 9.40 | 16.42 | 11.30 | 11.43 | 11.67 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.00 | 13.05 | 12.29 | 12.93 | 13.50 | 14.04 | 13.17 | 13.60 |
| STANDARD DEVIATION | 1.41 | 1.76 | .49 | 1.56 | 1.91 | 2.20 | 1.52 | 1.90 |
| NUMBER | 2 | 20 | 7 | 29 | 4 | 24 | 24 | 52 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 9099.50 | 4676.00 | 6679.80 | 5349.79 | 5325.00 | 6243.76 | 4621.74 | 5455.65 |
| STANDARD DEVIATION | 1272.09 | 2943.09 | 2071.31 | 2972.18 | 2611.99 | 2882.10 | 2554.67 | 2782.98 |
| MEDIAN | 9099.50 | 4400.00 | 6200.00 | 4800.00 | 6200.00 | 6200.00 | 3283.33 | 5300.00 |
| NUMBER | 2 | 21 | 5 | 28 | 4 | 25 | 23 | 52 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 50.00 | 19.05 | 20.00 | 21.43 | 0.00 | 24.00 | 0.00 | 11.54 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 15.00 | 5.56 | 0.00 | 3.06 | .41 | 1.13 |
| PERCENT BLACK | 100.00 | 96.88 | 65.00 | 85.19 | 100.00 | 94.90 | 95.47 | 95.48 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 50.00 | 65.63 | 45.00 | 57.41 | 53.85 | 60.20 | 53.50 | 55.37 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 60.57 | 62.30 | 62.44 | 62.28 | 61.81 | 61.50 | 62.15 | 61.96 |
| STANDARD DEVIATION | 4.59 | 3.16 | 3.87 | 3.43 | 4.07 | 3.45 | 3.63 | 3.60 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 96.88 | 100.00 | 98.15 | 100.00 | 98.98 | 96.30 | 97.18 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.98 | 11.12 | 10.81 | 11.11 | 11.46 | 12.18 | 11.25 | 11.71 |
| STANDARD DEVIATION | 1.45 | 2.67 | 1.48 | 2.33 | 1.02 | 1.31 | 1.56 | 1.46 |
| NUMBER | 2 | 20 | 7 | 29 | 4 | 25 | 23 | 52 |
| PERCENT HS GRAD | 50.00 | 45.00 | 14.29 | 37.93 | 25.00 | 52.00 | 26.09 | 38.46 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 0.00 | 76.19 | 42.86 | 63.33 | 25.00 | 42.31 | 54.17 | 46.30 |
| NUMBER | 2 | 21 | 7 | 30 | 4 | 26 | 24 | 54 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 3.70 | 100.00 | 0.00 | 0.00 | 3.67 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 59.26 | 0.00 | 100.00 | 0.00 | 27.68 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 37.04 | 0.00 | 0.00 | 100.00 | 68.64 |

### Table C8-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR PARENT EDUCATION MODEL IN RICHMOND, VA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 18 | 9 | 12 | 39 | 2 | 5 | 17 | 24 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 31.78 | 34.33 | 23.50 | 29.82 | 24.00 | 34.00 | 26.53 | 27.87 |
| STANDARD DEVIATION | 13.73 | 16.79 | 11.45 | 14.17 | 14.14 | 10.42 | 13.75 | 13.04 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.35 | 14.22 | 13.30 | 13.56 | 14.00 | 14.20 | 14.00 | 14.05 |
| STANDARD DEVIATION | 1.84 | 1.86 | 1.89 | 1.84 | 2.83 | 2.77 | 2.17 | 2.24 |
| NUMBER | 17 | 9 | 10 | 36 | 2 | 5 | 15 | 22 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 3664.71 | 5077.67 | 5837.50 | 4549.97 | 3700.00 | 6899.75 | 6606.53 | 6385.57 |
| STANDARD DEVIATION | 1746.05 | 2410.54 | 2612.57 | 2283.90 | 707.11 | 2413.42 | 2907.08 | 2761.38 |
| MEDIAN | 3150.00 | 5000.00 | 5200.00 | 4300.00 | 3700.00 | 6700.00 | 7700.00 | 6200.00 |
| NUMBER | 17 | 9 | 8 | 34 | 2 | 4 | 15 | 21 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 11.11 | 0.00 | 2.94 | 0.00 | 25.00 | 13.33 | 14.29 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 11.11 | 33.33 | 12.82 | 0.00 | 40.00 | 52.94 | 45.83 |
| PERCENT BLACK | 100.00 | 88.89 | 66.67 | 87.18 | 100.00 | 60.00 | 47.06 | 54.17 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 44.44 | 66.67 | 58.33 | 53.85 | 100.00 | 80.00 | 52.94 | 62.50 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 68.01 | 65.89 | 67.9[illegible] | 67.49 | 66.32 | 66.87 | 66.74 | 66.73 |
| STANDARD DEVIATION | 4.45 | 3.87 | 6.54 | 5.02 | 3.01 | 8.16 | 5.74 | 5.91 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.16 | 12.19 | 11.63 | 12.03 | 13.00 | 10.56 | 10.97 | 11.06 |
| STANDARD DEVIATION | 1.93 | 2.46 | 1.02 | 1.86 | 0.00 | 2.90 | 2.22 | 2.31 |
| NUMBER | 16 | 9 | 9 | 34 | 2 | 5 | 15 | 22 |
| PERCENT HS GRAD | 50.00 | 44.44 | 33.33 | 44.12 | 100.00 | 20.00 | 33.33 | 36.36 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 38.89 | 55.56 | 20.00 | 37.84 | 50.00 | 20.00 | 29.41 | 29.17 |
| NUMBER | 18 | 9 | 10 | 37 | 2 | 5 | 17 | 24 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 46.15 | 100.00 | 0.00 | 0.00 | 8.33 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 23.08 | 0.00 | 100.00 | 0.00 | 20.83 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 30.77 | 0.00 | 0.00 | 100.00 | 70.83 |

## Table C8-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR PARENT EDUCATION MODEL IN YAKIMA, WA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 20 | 8 | 23 | 51 | 0 | 1 | 23 | 24 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 25.45 | 32.00 | 28.04 | 27.65 | 0.00 | 26.00 | 25.39 | 25.42 |
| STANDARD DEVIATION | 8.88 | 12.00 | 14.67 | 12.24 | 0.00 | 0.00 | 11.87 | 11.61 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.35 | 13.00 | 13.95 | 13.53 | 0.00 | 14.00 | 14.30 | 14.29 |
| STANDARD DEVIATION | 1.87 | 1.60 | 2.50 | 2.10 | 0.00 | 0.00 | 2.08 | 2.03 |
| NUMBER | 20 | 8 | 19 | 47 | 0 | 1 | 23 | 24 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4022.22 | 4525.00 | 5124.90 | 4589.09 | 0.00 | 6200.00 | 7209.29 | 7163.41 |
| STANDARD DEVIATION | 1890.40 | 2561.11 | 2927.35 | 2499.08 | 0.00 | 0.00 | 2932.15 | 2869.57 |
| MEDIAN | 3300.00 | 3450.00 | 4499.50 | 3819.90 | 0.00 | 6200.00 | 7950.25 | 7799.50 |
| NUMBER | 18 | 8 | 20 | 46 | 0 | 1 | 21 | 22 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 0.00 | 10.00 | 4.35 | 0.00 | 0.00 | 23.81 | 22.73 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 65.00 | 62.50 | 52.17 | 58.82 | 0.00 | 100.00 | 100.00 | 100.00 |
| PERCENT BLACK | 30.00 | 0.00 | 13.04 | 17.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 50.00 | 62.50 | 56.52 | 54.90 | 0.00 | 100.00 | 30.43 | 33.33 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 64.97 | 67.94 | 65.36 | 65.61 | 0.00 | 71.63 | 66.05 | 66.28 |
| STANDARD DEVIATION | 3.41 | 4.50 | 4.68 | 4.24 | 0.00 | 0.00 | 4.74 | 4.78 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 87.50 | 86.96 | 92.16 | 0.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 10.75 | 12.12 | 11.43 | 11.26 | 0.00 | 13.00 | 11.80 | 11.85 |
| STANDARD DEVIATION | 2.83 | 1.10 | 2.90 | 2.67 | 0.00 | 0.00 | 2.06 | 2.03 |
| NUMBER | 18 | 7 | 20 | 45 | 0 | 1 | 23 | 24 |
| PERCENT HS GRAD | 38.89 | 57.14 | 50.00 | 46.67 | 0.00 | 100.00 | 47.83 | 50.00 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 25.00 | 12.50 | 30.00 | 25.00 | 0.00 | 0.00 | 4.35 | 4.17 |
| NUMBER | 20 | 8 | 20 | 48 | 0 | 1 | 23 | 24 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 39.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 15.69 | 0.00 | 100.00 | 0.00 | 4.17 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 45.10 | 0.00 | 0.00 | 100.00 | 95.83 |

## Table C8-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR PARENT EDUCATION MODEL IN HOUSTON, TX

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 41 | 15 | 19 | 75 | 0 | 9 | 30 | 39 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 29.41 | 30.00 | 28.26 | 29.24 | 0.00 | 21.78 | 17.27 | 18.31 |
| STANDARD DEVIATION | 10.42 | 15.78 | 12.35 | 11.97 | 0.00 | 7.24 | 9.49 | 9.13 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.18 | 13.47 | 14.00 | 13.53 | 0.00 | 14.25 | 13.21 | 13.47 |
| STANDARD DEVIATION | 1.66 | 2.17 | 1.41 | 1.81 | 0.00 | 2.49 | 1.64 | 1.90 |
| NUMBER | 11 | 15 | 10 | 36 | 0 | 8 | 24 | 32 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 3881.73 | 4230.69 | 4422.22 | 4166.61 | 0.00 | 3855.56 | 4524.96 | 4342.39 |
| STANDARD DEVIATION | 2679.63 | 3078.10 | 2857.35 | 2808.19 | 0.00 | 1571.71 | 2876.85 | 2580.27 |
| MEDIAN | 2650.00 | 2625.00 | 4400.00 | 2583.33 | 0.00 | 3800.00 | 4550.00 | 4325.00 |
| NUMBER | 11 | 13 | 9 | 33 | 0 | 9 | 24 | 33 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 9.09 | 7.69 | 0.00 | 6.06 | 0.00 | 0.00 | 4.17 | 3.03 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.67 | 5.13 |
| PERCENT BLACK | 73.17 | 86.67 | 78.95 | 77.33 | 0.00 | 44.44 | 63.33 | 58.97 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 48.78 | 60.00 | 47.37 | 50.67 | 0.00 | 55.56 | 36.67 | 41.03 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 67.59 | 66.21 | 68.53 | 67.55 | 0.00 | 67.65 | 67.59 | 67.60 |
| STANDARD DEVIATION | 3.48 | 3.28 | 3.95 | 3.61 | 0.00 | 2.97 | 3.30 | 3.19 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 75.61 | 86.67 | 78.95 | 78.67 | 0.00 | 55.56 | 86.67 | 79.49 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.08 | 12.12 | 10.86 | 11.46 | 0.00 | 9.07 | 9.79 | 9.59 |
| STANDARD DEVIATION | 3.35 | 2.43 | 3.34 | 2.95 | 0.00 | 4.39 | 3.08 | 3.44 |
| NUMBER | 10 | 14 | 9 | 33 | 0 | 9 | 23 | 32 |
| PERCENT HS GRAD | 50.00 | 57.14 | 44.44 | 51.52 | 0.00 | 11.11 | 21.74 | 18.75 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 63.64 | 46.67 | 30.00 | 47.22 | 0.00 | 33.33 | 54.17 | 48.48 |
| NUMBER | 11 | 15 | 10 | 36 | 0 | 9 | 24 | 33 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 54.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 20.00 | 0.00 | 100.00 | 0.00 | 23.08 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 25.33 | 0.00 | 0.00 | 100.00 | 76.92 |

Table C8-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR PARENT EDUCATION MODEL IN LAWRENCBURG, IN

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 11 | 8 | 16 | 35 | 2 | 10 | 28 | 40 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 27.73 | 28.62 | 26.12 | 27.20 | 24.50 | 40.90 | 34.68 | 35.72 |
| STANDARD DEVIATION | 13.78 | 10.28 | 6.64 | 9.91 | 7.78 | 12.25 | 12.66 | 12.70 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.55 | 15.12 | 14.94 | 14.86 | 14.00 | 16.90 | 15.50 | 15.77 |
| STANDARD DEVIATION | 1.81 | 2.59 | 1.95 | 2.02 | 0.00 | 2.02 | 2.06 | 2.11 |
| NUMBER | 11 | 8 | 16 | 35 | 2 | 10 | 28 | 40 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 6230.00 | 9611.75 | 8924.44 | 8293.68 | 6250.00 | 8777.22 | 8492.39 | 8443.13 |
| STANDARD DEVIATION | 2559.54 | 729.39 | 1510.64 | 2200.33 | 777.82 | 1689.06 | 2164.87 | 2056.18 |
| MEDIAN | 6900.00 | 9915.67 | 9882.33 | 8800.00 | 6250.00 | 9679.00 | 9800.00 | 9750.25 |
| NUMBER | 10 | 8 | 16 | 34 | 2 | 9 | 28 | 39 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 75.00 | 56.25 | 44.12 | 0.00 | 55.56 | 46.43 | 46.15 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PERCENT BLACK | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 63.64 | 37.50 | 62.50 | 57.14 | 100.00 | 70.00 | 46.43 | 55.00 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 65.10 | 66.24 | 64.97 | 65.30 | 66.34 | 65.53 | 65.23 | 65.36 |
| STANDARD DEVIATION | 4.44 | 3.93 | 4.12 | 4.09 | 6.44 | 3.18 | 4.41 | 4.12 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.70 | 12.60 | 12.80 | 12.41 | 10.95 | 13.19 | 12.73 | 12.76 |
| STANDARD DEVIATION | 1.03 | 3.14 | 2.02 | 2.10 | 0.00 | 1.77 | 1.86 | 1.82 |
| NUMBER | 11 | 8 | 16 | 35 | 2 | 10 | 28 | 40 |
| PERCENT HS GRAD | 36.36 | 50.00 | 75.00 | 57.14 | 0.00 | 80.00 | 67.86 | 67.50 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 27.27 | 12.50 | 6.25 | 14.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| NUMBER | 11 | 8 | 16 | 35 | 2 | 10 | 28 | 40 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 31.43 | 100.00 | 0.00 | 0.00 | 5.00 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 22.86 | 0.00 | 100.00 | 0.00 | 25.00 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 45.71 | 0.00 | 0.00 | 100.00 | 70.00 |

## Table C8-IIIK(PS)-29

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR PARENT EDUCATION MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 92 | 72 | 90 | 254 | 17 | 123 | 341 | 481 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 23.01 | 22.18 | 24.87 | 23.43 | 22.94 | 22.00 | 22.23 | 22.20 |
| STANDARD DEVIATION | 10.23 | 11.59 | 11.04 | 10.93 | 11.23 | 10.22 | 11.08 | 10.85 |
| SPELLING | | | | | | | | |
| MEAN | 17.00 | 16.33 | 17.79 | 17.09 | 16.00 | 19.20 | 18.24 | 18.41 |
| STANDARD DEVIATION | 11.53 | 12.89 | 12.34 | 12.18 | 14.35 | 11.62 | 13.13 | 12.80 |
| LANGUAGE | | | | | | | | |
| MEAN | 14.28 | 16.50 | 16.91 | 15.84 | 16.65 | 16.55 | 15.81 | 16.03 |
| STANDARD DEVIATION | 5.92 | 8.25 | 7.14 | 7.14 | 9.88 | 9.03 | 7.92 | 8.27 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 15.85 | 15.40 | 16.33 | 15.89 | 14.82 | 15.76 | 15.69 | 15.68 |
| STANDARD DEVIATION | 5.86 | 5.34 | 6.51 | 5.95 | 7.58 | 6.43 | 6.92 | 6.81 |
| RAVENS | | | | | | | | |
| MEAN | 18.17 | 16.86 | 18.29 | 17.84 | 16.18 | 17.55 | 17.50 | 17.46 |
| STANDARD DEVIATION | 4.29 | 4.81 | 4.44 | 4.52 | 3.32 | 4.62 | 5.03 | 4.88 |
| READING | | | | | | | | |
| MEAN | 17.28 | 17.22 | 17.09 | 17.20 | 17.71 | 16.42 | 16.46 | 16.49 |
| STANDARD DEVIATION | 7.13 | 8.05 | 7.01 | 7.33 | 9.45 | 6.80 | 7.26 | 7.22 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 15.35 | 14.58 | 15.73 | 15.27 | 14.53 | 15.99 | 15.72 | 15.75 |
| STANDARD DEVIATION | 5.42 | 6.88 | 7.08 | 6.45 | 8.25 | 6.74 | 7.72 | 7.49 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 12.23 | 11.93 | 12.36 | 12.19 | 10.47 | 12.42 | 12.11 | 12.13 |
| STANDARD DEVIATION | 5.49 | 5.91 | 5.77 | 5.69 | 6.07 | 5.75 | 6.26 | 6.13 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.72 | 35.07 | 35.44 | 35.07 | 32.53 | 35.67 | 35.63 | 35.53 |
| STANDARD DEVIATION | 6.69 | 7.75 | 6.47 | 6.91 | 8.13 | 8.08 | 7.71 | 7.82 |
| IARS(-) | | | | | | | | |
| MEAN | 9.71 | 10.17 | 9.77 | 9.86 | 8.41 | 9.63 | 9.58 | 9.55 |
| STANDARD DEVIATION | 2.44 | 2.69 | 2.68 | 2.60 | 3.02 | 2.98 | 2.79 | 2.85 |
| IARS(+) | | | | | | | | |
| MEAN | 13.05 | 12.90 | 12.67 | 12.87 | 12.29 | 12.61 | 12.72 | 12.68 |
| STANDARD DEVIATION | 2.37 | 2.24 | 2.66 | 2.44 | 2.26 | 2.77 | 2.49 | 2.55 |
| TOTAL READING | | | | | | | | |
| MEAN | 40.29 | 39.40 | 41.96 | 40.63 | 40.65 | 38.42 | 38.69 | 38.69 |
| STANDARD DEVIATION | 16.51 | 18.78 | 16.97 | 17.30 | 19.81 | 16.08 | 17.53 | 17.23 |
| TOTAL MATH | | | | | | | | |
| MEAN | 43.42 | 41.92 | 44.42 | 43.35 | 39.82 | 44.17 | 43.52 | 43.55 |
| STANDARD DEVIATION | 14.44 | 16.33 | 17.06 | 15.91 | 20.59 | 17.03 | 19.38 | 18.83 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.34 | 7.40 | 8.00 | 7.59 | 7.12 | 7.43 | 7.23 | 7.27 |
| STANDARD DEVIATION | 3.27 | 3.37 | 3.20 | 3.27 | 3.59 | 3.44 | 3.40 | 3.41 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 6.95 | 9.10 | 8.91 | 8.25 | 9.53 | 9.12 | 8.58 | 8.75 |
| STANDARD DEVIATION | 4.07 | 5.92 | 5.26 | 5.15 | 6.76 | 6.66 | 5.63 | 5.94 |

Table C8-IIIK(PS)-30

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR PARENT EDUCATION MODEL IN PHILADELPHIA, PA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 2 | 32 | 20 | 54 | 13 | 98 | 243 | 354 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 27.00 | 15.87 | 17.85 | 17.02 | 23.15 | 20.85 | 21.49 | 21.37 |
| STANDARD DEVIATION | 5.66 | 6.95 | 7.37 | 7.29 | 11.65 | 8.85 | 9.96 | 9.71 |
| SPELLING | | | | | | | | |
| MEAN | 13.00 | 10.03 | 8.60 | 9.61 | 15.46 | 18.91 | 18.72 | 18.66 |
| STANDARD DEVIATION | 18.38 | 9.28 | 9.38 | 9.44 | 14.76 | 11.30 | 12.98 | 12.58 |
| LANGUAGE | | | | | | | | |
| MEAN | 13.50 | 13.53 | 14.80 | 14.00 | 15.23 | 15.12 | 14.72 | 14.85 |
| STANDARD DEVIATION | 4.95 | 5.40 | 5.65 | 5.42 | 9.43 | 7.71 | 6.94 | 7.24 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 15.00 | 12.72 | 10.90 | 12.13 | 13.77 | 15.09 | 15.31 | 15.19 |
| STANDARD DEVIATION | 0.00 | 3.65 | 3.70 | 3.71 | 7.08 | 5.75 | 6.60 | 6.39 |
| RAVENS | | | | | | | | |
| MEAN | 20.50 | 14.38 | 15.85 | 15.15 | 16.54 | 17.17 | 17.00 | 17.03 |
| STANDARD DEVIATION | 3.54 | 4.46 | 5.09 | 4.78 | 3.69 | 4.31 | 4.67 | 4.53 |
| READING | | | | | | | | |
| MEAN | 17.00 | 14.81 | 13.50 | 14.41 | 17.54 | 15.43 | 15.49 | 15.55 |
| STANDARD DEVIATION | 8.49 | 6.03 | 4.93 | 5.66 | 9.82 | 5.12 | 6.39 | 6.21 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 15.00 | 11.16 | 10.70 | 11.13 | 14.38 | 15.13 | 15.41 | 15.29 |
| STANDARD DEVIATION | 8.49 | 5.67 | 6.04 | 5.82 | 8.71 | 6.09 | 7.56 | 7.21 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 7.50 | 9.53 | 10.10 | 9.67 | 9.85 | 11.72 | 11.67 | 11.62 |
| STANDARD DEVIATION | 7.78 | 4.86 | 4.12 | 4.61 | 5.52 | 5.23 | 5.89 | 5.70 |
| COOPERSMITH | | | | | | | | |
| MEAN | 27.00 | 34.34 | 34.05 | 33.96 | 32.31 | 35.74 | 35.63 | 35.54 |
| STANDARD DEVIATION | 11.31 | 7.60 | 6.36 | 7.25 | 9.10 | 7.36 | 7.17 | 7.30 |
| IARS(-) | | | | | | | | |
| MEAN | 7.00 | 9.56 | 8.80 | 9.19 | 8.85 | 9.81 | 9.81 | 9.77 |
| STANDARD DEVIATION | 4.24 | 2.88 | 2.84 | 2.90 | 3.26 | 2.90 | 2.69 | 2.77 |
| IARS(+) | | | | | | | | |
| MEAN | 11.50 | 12.06 | 11.50 | 11.83 | 12.31 | 12.80 | 12.87 | 12.83 |
| STANDARD DEVIATION | .71 | 2.51 | 2.52 | 2.46 | 2.53 | 2.57 | 2.34 | 2.41 |
| TOTAL READING | | | | | | | | |
| MEAN | 44.00 | 30.69 | 31.35 | 31.43 | 40.69 | 36.28 | 36.98 | 36.92 |
| STANDARD DEVIATION | 14.14 | 12.04 | 10.27 | 11.52 | 20.81 | 12.89 | 15.41 | 14.96 |
| TOTAL MATH | | | | | | | | |
| MEAN | 37.50 | 33.41 | 31.70 | 32.93 | 38.00 | 41.95 | 42.39 | 42.11 |
| STANDARD DEVIATION | 16.26 | 12.40 | 11.39 | 11.96 | 20.17 | 15.14 | 18.48 | 17.65 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 5.50 | 5.88 | 6.70 | 6.17 | 6.62 | 7.16 | 7.00 | 7.03 |
| STANDARD DEVIATION | 6.36 | 2.92 | 3.34 | 3.15 | 3.45 | 3.36 | 3.28 | 3.30 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.00 | 7.66 | 8.10 | 7.83 | 8.62 | 7.96 | 7.72 | 7.82 |
| STANDARD DEVIATION | 1.41 | 3.18 | 3.89 | 3.38 | 6.60 | 5.39 | 4.91 | 5.10 |

Table C8-IIIK(PS)-30 (cont.)

## MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR PARENT EDUCATION MODEL IN RICHMOND, VA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 18 | 9 | 12 | 39 | 2 | 5 | 17 | 24 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 27.06 | 28.56 | 26.75 | 27.31 | 14.00 | 30.60 | 26.35 | 26.21 |
| STANDARD DEVIATION | 9.12 | 11.72 | 10.64 | 9.97 | 0.00 | 9.69 | 11.66 | 11.32 |
| SPELLING | | | | | | | | |
| MEAN | 23.17 | 25.56 | 18.33 | 22.23 | 6.50 | 26.40 | 22.12 | 21.71 |
| STANDARD DEVIATION | 10.31 | 11.05 | 11.42 | 10.90 | 7.78 | 4.83 | 13.30 | 12.44 |
| LANGUAGE | | | | | | | | |
| MEAN | 15.61 | 19.33 | 14.33 | 16.08 | 12.00 | 21.00 | 18.24 | 18.29 |
| STANDARD DEVIATION | 6.79 | 9.42 | 5.48 | 7.18 | 4.24 | 4.58 | 7.08 | 6.66 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 17.61 | 19.78 | 16.42 | 17.74 | 12.00 | 16.80 | 17.59 | 16.96 |
| STANDARD DEVIATION | 5.90 | 4.55 | 6.72 | 5.88 | 9.90 | 8.01 | 7.50 | 7.55 |
| RAVENS | | | | | | | | |
| MEAN | 20.00 | 18.67 | 17.33 | 18.87 | 14.50 | 19.40 | 18.71 | 18.50 |
| STANDARD DEVIATION | 4.38 | 3.43 | 3.70 | 4.05 | .71 | 4.28 | 3.22 | 3.46 |
| READING | | | | | | | | |
| MEAN | 19.89 | 21.67 | 19.92 | 20.31 | 10.50 | 21.40 | 19.24 | 18.96 |
| STANDARD DEVIATION | 6.69 | 9.19 | 9.05 | 7.88 | 3.54 | 6.11 | 8.23 | 7.85 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 17.67 | 17.22 | 15.25 | 16.82 | 8.50 | 21.60 | 16.53 | 16.92 |
| STANDARD DEVIATION | 5.15 | 3.63 | 6.44 | 5.27 | 2.12 | 5.98 | 6.42 | 6.79 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 14.72 | 16.56 | 12.50 | 14.46 | 7.00 | 14.80 | 12.47 | 12.50 |
| STANDARD DEVIATION | 5.92 | 4.36 | 6.65 | 5.90 | 5.66 | 4.66 | 5.09 | 5.19 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.11 | 36.33 | 36.83 | 36.38 | 30.50 | 39.00 | 38.00 | 37.58 |
| STANDARD DEVIATION | 5.94 | 5.43 | 7.36 | 6.15 | .71 | 5.83 | 7.58 | 7.13 |
| IARS(-) | | | | | | | | |
| MEAN | 10.28 | 10.44 | 9.67 | 10.13 | 6.00 | 6.20 | 9.59 | 8.58 |
| STANDARD DEVIATION | 1.84 | 2.30 | 1.61 | 1.87 | 1.41 | 3.56 | 2.24 | 2.89 |
| IARS(+) | | | | | | | | |
| MEAN | 13.89 | 12.89 | 13.00 | 13.38 | 12.00 | 9.80 | 13.35 | 12.50 |
| STANDARD DEVIATION | 1.53 | 1.05 | 2.86 | 1.97 | 0.00 | 5.31 | 2.00 | 3.13 |
| TOTAL READING | | | | | | | | |
| MEAN | 46.94 | 50.22 | 46.67 | 47.62 | 24.50 | 52.00 | 45.59 | 45.17 |
| STANDARD DEVIATION | 15.52 | 20.12 | 19.30 | 17.40 | 3.54 | 15.57 | 19.14 | 18.58 |
| TOTAL MATH | | | | | | | | |
| MEAN | 50.00 | 53.56 | 44.17 | 49.03 | 27.50 | 53.20 | 46.59 | 46.37 |
| STANDARD DEVIATION | 14.55 | 11.54 | 17.67 | 15.03 | 17.68 | 15.88 | 16.57 | 17.02 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 8.39 | 8.78 | 7.33 | 8.15 | 5.50 | 10.00 | 8.24 | 8.38 |
| STANDARD DEVIATION | 3.01 | 3.23 | 3.60 | 3.22 | 2.12 | 1.87 | 3.38 | 3.17 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 7.22 | 10.56 | 7.00 | 7.92 | 6.50 | 11.00 | 10.00 | 9.92 |
| STANDARD DEVIATION | 4.66 | 6.89 | 3.79 | 5.10 | 2.12 | 6.16 | 4.64 | 4.80 |

## Table C8-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR PARENT EDUCATION MODEL IN YAKIMA, WA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 20 | 8 | 23 | 51 | 0 | 1 | 23 | 24 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 24.55 | 22.25 | 31.52 | 27.33 | 0.00 | 15.00 | 24.96 | 24.54 |
| STANDARD DEVIATION | 11.35 | 12.91 | 10.74 | 11.76 | 0.00 | 0.00 | 10.79 | 10.75 |
| SPELLING | | | | | | | | |
| MEAN | 16.85 | 14.00 | 24.61 | 19.90 | 0.00 | 10.00 | 17.39 | 17.08 |
| STANDARD DEVIATION | 12.77 | 11.14 | 10.36 | 12.08 | 0.00 | 0.00 | 10.87 | 10.74 |
| LANGUAGE | | | | | | | | |
| MEAN | 16.00 | 16.12 | 19.22 | 17.47 | 0.00 | 17.00 | 18.17 | 18.13 |
| STANDARD DEVIATION | 6.55 | 9.61 | 6.36 | 7.04 | 0.00 | 0.00 | 7.13 | 6.97 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 13.40 | 14.25 | 17.83 | 15.53 | 0.00 | 5.00 | 14.52 | 14.12 |
| STANDARD DEVIATION | 6.88 | 4.13 | 6.62 | 6.64 | 0.00 | 0.00 | 5.96 | 6.15 |
| RAVENS | | | | | | | | |
| MEAN | 18.95 | 18.87 | 20.39 | 19.59 | 0.00 | 13.00 | 21.30 | 20.96 |
| STANDARD DEVIATION | 4.58 | 3.36 | 3.39 | 3.89 | 0.00 | 0.00 | 3.75 | 4.04 |
| READING | | | | | | | | |
| MEAN | 19.15 | 16.12 | 20.26 | 19.18 | 0.00 | 12.00 | 19.04 | 18.75 |
| STANDARD DEVIATION | 9.47 | 10.02 | 7.97 | 8.84 | 0.00 | 0.00 | 7.01 | 7.00 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 16.15 | 13.50 | 19.22 | 17.12 | 0.00 | 12.00 | 16.83 | 16.62 |
| STANDARD DEVIATION | 6.60 | 7.50 | 6.16 | 6.75 | 0.00 | 0.00 | 6.20 | 6.14 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 11.40 | 10.00 | 13.00 | 11.90 | 0.00 | 16.00 | 13.13 | 13.25 |
| STANDARD DEVIATION | 5.45 | 4.81 | 6.44 | 5.83 | 0.00 | 0.00 | 6.16 | 6.05 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.70 | 35.63 | 35.26 | 35.10 | 0.00 | 30.00 | 35.57 | 35.33 |
| STANDARD DEVIATION | 8.32 | 10.01 | 5.83 | 7.44 | 0.00 | 0.00 | 8.15 | 8.05 |
| IARS(-) | | | | | | | | |
| MEAN | 9.30 | 8.88 | 9.61 | 9.37 | 0.00 | 8.00 | 9.00 | 8.96 |
| STANDARD DEVIATION | 2.62 | 3.09 | 2.87 | 2.76 | 0.00 | 0.00 | 2.35 | 2.31 |
| IARS(+) | | | | | | | | |
| MEAN | 13.15 | 13.25 | 12.13 | 12.71 | 0.00 | 9.00 | 12.61 | 12.46 |
| STANDARD DEVIATION | 2.28 | 1.49 | 2.40 | 2.26 | 0.00 | 0.00 | 2.79 | 2.83 |
| TOTAL READING | | | | | | | | |
| MEAN | 43.70 | 38.37 | 51.78 | 46.51 | 0.00 | 27.00 | 44.00 | 43.29 |
| STANDARD DEVIATION | 20.34 | 22.42 | 17.66 | 19.78 | 0.00 | 0.00 | 16.94 | 16.93 |
| TOTAL MATH | | | | | | | | |
| MEAN | 40.95 | 37.75 | 50.04 | 44.55 | 0.00 | 33.00 | 44.48 | 44.00 |
| STANDARD DEVIATION | 17.03 | 14.31 | 16.00 | 16.67 | 0.00 | 0.00 | 17.21 | 17.00 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.85 | 8.50 | 9.48 | 8.69 | 0.00 | 8.00 | 7.65 | 7.67 |
| STANDARD DEVIATION | 3.86 | 4.11 | 2.39 | 3.33 | 0.00 | 0.00 | 2.99 | 2.93 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.15 | 7.63 | 9.74 | 8.78 | 0.00 | 9.00 | 10.52 | 10.46 |
| STANDARD DEVIATION | 4.61 | 6.63 | 4.84 | 5.04 | 0.00 | 0.00 | 5.53 | 5.41 |

## Table C8-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR PARENT EDUCATION MODEL IN HOUSTON, TX

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 41 | 15 | 19 | 75 | 0 | 9 | 30 | 39 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 18.54 | 24.13 | 19.00 | 19.77 | 0.00 | 14.00 | 10.87 | 11.59 |
| STANDARD DEVIATION | 9.10 | 10.41 | 11.00 | 9.98 | 0.00 | 6.28 | 7.14 | 7.00 |
| SPELLING | | | | | | | | |
| MEAN | 12.68 | 19.13 | 14.74 | 14.49 | 0.00 | 8.44 | 3.90 | 4.95 |
| STANDARD DEVIATION | 10.31 | 14.40 | 13.71 | 12.19 | 0.00 | 10.36 | 7.07 | 8.03 |
| LANGUAGE | | | | | | | | |
| MEAN | 12.10 | 16.33 | 15.21 | 13.73 | 0.00 | 11.78 | 11.33 | 11.44 |
| STANDARD DEVIATION | 4.77 | 6.86 | 6.60 | 5.94 | 0.00 | 4.58 | 4.62 | 4.55 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 15.63 | 17.53 | 18.89 | 16.84 | 0.00 | 12.67 | 11.23 | 11.56 |
| STANDARD DEVIATION | 5.36 | 6.53 | 5.89 | 5.83 | 0.00 | 5.12 | 4.03 | 4.28 |
| RAVENS | | | | | | | | |
| MEAN | 16.41 | 17.93 | 16.95 | 16.85 | 0.00 | 14.56 | 13.03 | 13.38 |
| STANDARD DEVIATION | 3.75 | 4.61 | 4.17 | 4.03 | 0.00 | 4.19 | 5.18 | 4.96 |
| READING | | | | | | | | |
| MEAN | 14.34 | 16.67 | 14.89 | 14.95 | 0.00 | 11.11 | 11.47 | 11.38 |
| STANDARD DEVIATION | 4.63 | 7.32 | 5.61 | 5.49 | 0.00 | 4.91 | 4.49 | 4.52 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 13.07 | 16.93 | 14.68 | 14.25 | 0.00 | 11.89 | 9.00 | 9.67 |
| STANDARD DEVIATION | 3.91 | 6.78 | 7.01 | 5.58 | 0.00 | 5.62 | 4.62 | 4.95 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 10.71 | 12.93 | 12.68 | 11.65 | 0.00 | 9.00 | 7.73 | 8.03 |
| STANDARD DEVIATION | 4.30 | 6.12 | 5.63 | 5.09 | 0.00 | 3.54 | 2.74 | 2.94 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.07 | 33.87 | 34.21 | 34.07 | 0.00 | 27.44 | 31.67 | 30.69 |
| STANDARD DEVIATION | 6.08 | 8.89 | 6.56 | 6.74 | 0.00 | 11.42 | 9.93 | 10.30 |
| IARS(-) | | | | | | | | |
| MEAN | 9.61 | 10.67 | 9.95 | 9.91 | 0.00 | 8.11 | 8.10 | 8.10 |
| STANDARD DEVIATION | 2.53 | 1.91 | 2.66 | 2.46 | 0.00 | 1.83 | 2.55 | 2.38 |
| IARS(+) | | | | | | | | |
| MEAN | 12.78 | 13.60 | 12.84 | 12.96 | 0.00 | 11.33 | 10.47 | 10.67 |
| STANDARD DEVIATION | 2.10 | 2.10 | 2.85 | 2.30 | 0.00 | 2.78 | 2.93 | 2.89 |
| TOTAL READING | | | | | | | | |
| MEAN | 32.58 | 40.80 | 33.89 | 34.72 | 0.00 | 25.11 | 22.33 | 22.97 |
| STANDARD DEVIATION | 12.33 | 16.74 | 15.51 | 14.25 | 0.00 | 10.09 | 10.96 | 10.70 |
| TOTAL MATH | | | | | | | | |
| MEAN | 39.41 | 47.40 | 46.26 | 42.75 | 0.00 | 33.56 | 27.97 | 29.26 |
| STANDARD DEVIATION | 11.29 | 17.09 | 17.03 | 14.44 | 0.00 | 11.35 | 9.46 | 10.06 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.27 | 7.93 | 7.58 | 6.93 | 0.00 | 5.11 | 4.50 | 4.64 |
| STANDARD DEVIATION | 2.83 | 2.71 | 3.22 | 2.97 | 0.00 | 2.89 | 1.74 | 2.03 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 5.83 | 8.40 | 7.63 | 6.80 | 0.00 | 6.67 | 6.83 | 6.79 |
| STANDARD DEVIATION | 3.33 | 5.18 | 5.06 | 4.30 | 0.00 | 3.00 | 4.02 | [illegible] |

## Table C8-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR PARENT EDUCATION MODEL IN LAWRENCBURG, IN

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 11 | 8 | 16 | 35 | 2 | 10 | 28 | 40 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 29.55 | 36.50 | 29.62 | 31.17 | 30.50 | 36.90 | 36.11 | 36.03 |
| STANDARD DEVIATION | 8.09 | 11.43 | 7.28 | 8.84 | 10.61 | 11.07 | 7.82 | 8.68 |
| SPELLING | | | | | | | | |
| MEAN | 24.00 | 28.25 | 22.69 | 24.37 | 29.00 | 29.10 | 27.75 | 28.15 |
| STANDARD DEVIATION | 7.60 | 12.29 | 9.57 | 9.67 | 9.90 | 9.28 | 8.59 | 8.59 |
| LANGUAGE | | | | | | | | |
| MEAN | 17.27 | 25.87 | 20.19 | 20.57 | 30.50 | 32.60 | 26.57 | 28.27 |
| STANDARD DEVIATION | 5.18 | 11.06 | 9.67 | 9.19 | 4.95 | 9.65 | 10.09 | 9.99 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 18.36 | 18.37 | 17.87 | 18.14 | 24.50 | 25.60 | 23.61 | 24.15 |
| STANDARD DEVIATION | 4.84 | 5.04 | 6.47 | 5.54 | .71 | 4.12 | 6.36 | 5.72 |
| RAVENS | | | | | | | | |
| MEAN | 19.91 | 20.75 | 20.63 | 20.43 | 15.50 | 23.50 | 22.75 | 22.58 |
| STANDARD DEVIATION | 3.62 | 4.71 | 3.61 | 3.78 | 2.12 | 3.37 | 3.19 | 3.55 |
| READING | | | | | | | | |
| MEAN | 20.64 | 24.00 | 17.50 | 19.97 | 26.00 | 28.90 | 26.39 | 27.00 |
| STANDARD DEVIATION | 7.47 | 9.29 | 5.01 | 7.22 | 4.24 | 8.82 | 6.94 | 7.28 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 18.64 | 22.00 | 18.62 | 19.40 | 21.50 | 25.70 | 24.21 | 24.45 |
| STANDARD DEVIATION | 5.18 | 5.95 | 6.57 | 6.03 | 2.12 | 4.67 | 5.57 | 5.24 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 16.18 | 16.37 | 13.75 | 15.11 | 18.00 | 20.80 | 19.46 | 19.73 |
| STANDARD DEVIATION | 5.86 | 6.84 | 5.93 | 6.07 | 7.07 | 5.75 | 6.98 | 6.57 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.27 | 38.25 | 37.87 | 37.46 | 36.00 | 41.20 | 38.50 | 39.05 |
| STANDARD DEVIATION | 5.95 | 6.48 | 6.56 | 6.22 | 5.66 | 7.55 | 7.98 | 7.74 |
| IARS(-) | | | | | | | | |
| MEAN | 10.36 | 12.62 | 11.06 | 11.20 | 8.00 | 11.10 | 9.68 | 9.95 |
| STANDARD DEVIATION | 2.29 | 1.51 | 2.62 | 2.40 | 1.41 | 3.14 | 3.92 | 3.68 |
| IARS(+) | | | | | | | | |
| MEAN | 12.82 | 14.62 | 14.44 | 13.97 | 12.50 | 13.70 | 13.54 | 13.52 |
| STANDARD DEVIATION | 4.19 | 1.69 | 1.97 | 2.84 | 2.12 | 1.95 | 1.97 | 1.93 |
| TOTAL READING | | | | | | | | |
| MEAN | 50.18 | 60.50 | 47.12 | 51.14 | 56.50 | 65.80 | 62.50 | 63.03 |
| STANDARD DEVIATION | 14.75 | 19.92 | 11.34 | 15.20 | 6.36 | 18.39 | 14.03 | 14.82 |
| TOTAL MATH | | | | | | | | |
| MEAN | 53.18 | 56.75 | 50.25 | 52.66 | 64.00 | 72.10 | 67.29 | 68.32 |
| STANDARD DEVIATION | 13.50 | 15.49 | 17.46 | 15.63 | 8.49 | 11.85 | 17.22 | 15.65 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 9.00 | 9.88 | 8.50 | 8.97 | 12.00 | 10.80 | 11.14 | 11.10 |
| STANDARD DEVIATION | 2.53 | 3.48 | 3.12 | 3.00 | 1.41 | 2.74 | 2.55 | 2.52 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.27 | 16.00 | 11.69 | 11.60 | 18.50 | 21.80 | 15.43 | 17.17 |
| STANDARD DEVIATION | 4.31 | 9.38 | 7.35 | 7.46 | 3.54 | 7.83 | 8.06 | 8.20 |

## Table C8-IIEF-1

## ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT II ENTERING FIRST SITES IN THE PARENT EDUCATION MODEL

| | | JONESBORO, AR | | | CHATTANOOGA, TN | | | HILLSBOROUGH, FL | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 |
| BLACK | Percent | 28.1 | 3.2 | 14.5 | 62.8 | 82.5 | — | 47.4 | 79.4 | 82.5 |
| | Number | 25 | 3 | 9 | 64 | 85 | — | 9 | 85 | 85 |
| ORIENTAL | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 |
| PUERTO RICAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | 0 |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 12.2 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | — | 0 | 13 | 0 |
| WHITE | Percent | 71.9 | 96.8 | 85.5 | 37.3 | 17.5 | — | 52.6 | 7.5 | 17.5 |
| | Number | 64 | 90 | 53 | 38 | 18 | — | 10 | 8 | 18 |
| OTHER | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.9 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | — | 0 | 1 | 0 |
| BEST MATCHED SITE | | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

## Table C8-IIEF-2

### DISTRIBUTION OF BACKGROUND VARIABLES COHORT II ENTERING FIRST SITES IN THE PARENT EDUCATION MODEL

| | SPONSOR'S SITES | | | JONESBORO, AR | | | CHATTANOOGA, TN | | | HILLSBOROUGH, FL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE | | | | | | | | | | | | |
| Number | — | — | — | 89 | 93 | 62 | 102 | 103 | — | 19 | 107 | 103 |
| FALL KINDERGARTEN WRAT | | | | | | | | | | | | |
| Mean Score | 33.5 | 35.7 | — | 36.4 | 43.6 | 40.6 | 33.5 | 29.4 | — | 30.7 | 34.1 | 29.4 |
| PERCENT WITH PRESCHOOL | 85 | 65 | — | 75 | 56 | 33 | 79 | 65 | — | 100 | 75 | 65 |
| Number Responding | — | — | — | 84 | 55 | 61 | 86 | 77 | — | 17 | 68 | 77 |
| CHILDREN'S ETHNICITY | | | | | | | | | | | | |
| Percent Black | 46 | 55 | — | 28 | 3 | 15 | 63 | 83 | — | 47 | 79 | 83 |
| Percent White | 54 | 41 | — | 72 | 97 | 85 | 37 | 17 | — | 53 | 7 | 17 |
| Percent Other | 0 | 4 | — | 0 | 0 | 0 | 0 | 0 | — | 0 | 13 | 0 |
| MEDIAN FAMILY INCOME | 4845 | 5633 | — | 5786 | 7666 | 6687 | 4250 | 4334 | — | 4500 | 4900 | 4334 |
| Number Responding | — | — | — | 69 | 47 | 55 | 54 | 59 | — | 8 | 49 | 59 |
| MOTHER'S EDUCATION | | | | | | | | | | | | |
| Percent H.S. Graduates | 36 | 43 | — | 40 | 63 | 44 | 25 | 18 | — | 43 | 49 | 18 |
| Number Responding | — | — | — | 67 | 46 | 57 | 53 | 56 | — | 7 | 47 | 56 |
| FEMALE HEADS OF HOUSEHOLD | | | | | | | | | | | | |
| Percent | 24 | 35 | — | 19 | 19 | 15 | 39 | 41 | — | 13 | 45 | 41 |
| BEST MATCHED SITE | | | | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

1069

### Table C8-IIEF-3

### TEACHER BACKGROUND CHARACTERISTICS FOR COHORT II-E SITES IN PARENT EDUCATION MODEL

| | Jonesboro, AR | | Chattanooga, TN | | Hillsborough, FL | |
|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | FT | NFT |
| **YEARS OF ELEMENTARY TEACHING EXPERIENCE** | | | | | | |
| Mean | 8.16 | 9.71 | 13.65 | 14.77 | 4.66 | 12.97 |
| Standard Deviation | 11.77 | 9.56 | 10.75 | 11.76 | 3.05 | 9.94 |
| N | 6 | 7 | 10 | 18 | 3 | 37 |
| **YEARS IN SCHOOL** | | | | | | |
| Mean | 4.60 | 8.28 | 4.25 | 4.80 | 3.33 | 7.13 |
| Standard Deviation | 5.94 | 8.92 | 4.71 | 5.09 | 1.15 | 5.92 |
| N | 5 | 7 | 10 | 18 | 3 | 37 |
| **YEARS IN MODEL** | | | | | | |
| Mean | 2.08 | 0 | 1.95 | 3.00 | 3.00 | 0 |
| Standard Deviation | 1.28 | 0 | 1.30 | 0 | 1.73 | 0 |
| N | 6 | 0 | 10 | 1 | 3 | 0 |
| **TEACHER'S EDUCATION** | | | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 | 0 | 0 |
| % with B.A. | 33.3 | 33.3 | 50.0 | 68.8 | 33.3 | 64.9 |
| % Some Graduate | 50.0 | 50.0 | 20.0 | 25.0 | 66.7 | 16.2 |
| % M.A. or More | 16.7 | 16.7 | 30.0 | 6.3 | 0 | 18.9 |
| N | 6 | 6 | 10 | 16 | 3 | 37 |
| **TEACHER'S CERTIFICATION** | | | | | | |
| % None | 0 | 0 | 0 | 0 | 0 | 0 |
| % Temporary | 0 | 14.3 | 0 | 5.6 | 0 | 2.9 |
| % Renewable/Permanent | 100.0 | 85.8 | 100.0 | 94.4 | 100.0 | 97.0 |
| N | 6 | 7 | 10 | 18 | 3 | 34 |
| **TEACHER'S ETHNICITY** | | | | | | |
| % White | 100.0 | 100.0 | 30.0 | 55.6 | 100.0 | 77.1 |
| % Black | 0 | 0 | 70.0 | 44.4 | 0 | 20.0 |
| % Spanish Surname | 0 | 0 | 0 | 0 | 0 | 0 |
| % Other | 0 | 0 | 0 | 0 | 0 | 2.9 |
| N | 6 | 7 | 10 | 18 | 2 | 35 |
| **AGE IN YEARS** | | | | | | |
| Mean | 32.16 | 40.71 | 37.55 | 44.55 | 26.66 | 39.29 |
| Standard Deviation | 11.54 | 12.31 | 12.67 | 14.12 | 3.78 | 11.34 |
| N | 6 | 7 | 9 | 18 | 3 | 37 |

## Table C8-IIEF-4

## STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1973) FOR THE COHORT II ENTERING FIRST SITES IN THE PARENT EDUCATION MODEL

| | SPONSOR'S SITES | | | JONESBORO, AR | | | CHATTANOOGA, TN | | | HILLSBOROUGH, FL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 50.2 | 50.6 | — | 47.3 | 50.6 | 46.9 | 53.4 | 51.5 | — | 49.8 | 49.9 | 51.5 |
| Number | 3 | 3 | — | 6 | 7 | 10 | 10 | 14 | — | 3 | 37 | 14 |
| Local Mean Difference | — | — | — | -3.3 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| FLEXIBLE CLASSROOM | 53.4 | 46.0 | — | 53.7 | 46.4 | 53.2 | 55.2 | 45.1 | — | 51.4 | 46.6 | 45.1 |
| Number | 3 | 3 | — | 6 | 7 | 10 | 10 | 15 | — | 3 | 37 | 15 |
| Local Mean Difference | 7.4 | — | — | 7.2 | — | — | 10.2 | — | — | 4.8 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 10.2 | — | — | 6.3 | — | — |
| INDIVIDUALIZATION | 47.5 | 46.1 | — | 45.7 | 38.8 | 46.7 | 55.2 | 50.4 | — | 41.5 | 49.0 | 50.4 |
| Number | 3 | 3 | — | 6 | 7 | 10 | 10 | 18 | — | 3 | 37 | 18 |
| Local Mean Difference | — | — | — | 6.8 | — | — | 4.8 | — | — | -7.5 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 4.8 | — | — | -8.9 | — | — |
| ACADEMIC (VS. EMOTIONAL) | 49.9 | 51.0 | — | 49.8 | 53.8 | 49.0 | 47.4 | 52.5 | — | 52.5 | 46.6 | 52.5 |
| EMPHASIS Number | 3 | 3 | — | 6 | 7 | 10 | 10 | 18 | — | 3 | 37 | 18 |
| Local Mean Difference | — | — | — | -4.0 | — | — | -5.1 | — | — | 5.9 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -5.1 | — | — | — | — | — |
| SATISFACTION WITH | 49.2 | 46.1 | — | 57.6 | 42.5 | 43.2 | 55.3 | 46.7 | — | 34.6 | 49.0 | 46.7 |
| SPONSOR Number | 3 | 3 | — | 6 | 1 | 7 | 10 | 11 | — | 3 | 8 | 11 |
| Local Mean Difference | 3.1 | — | — | 15.1 | — | — | 8.6 | — | — | -14.4 | — | — |
| Best Match Mean Difference | — | — | — | 14.4 | — | — | 8.6 | — | — | -12.1 | — | — |
| BEST MATCHED SITE | | | | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

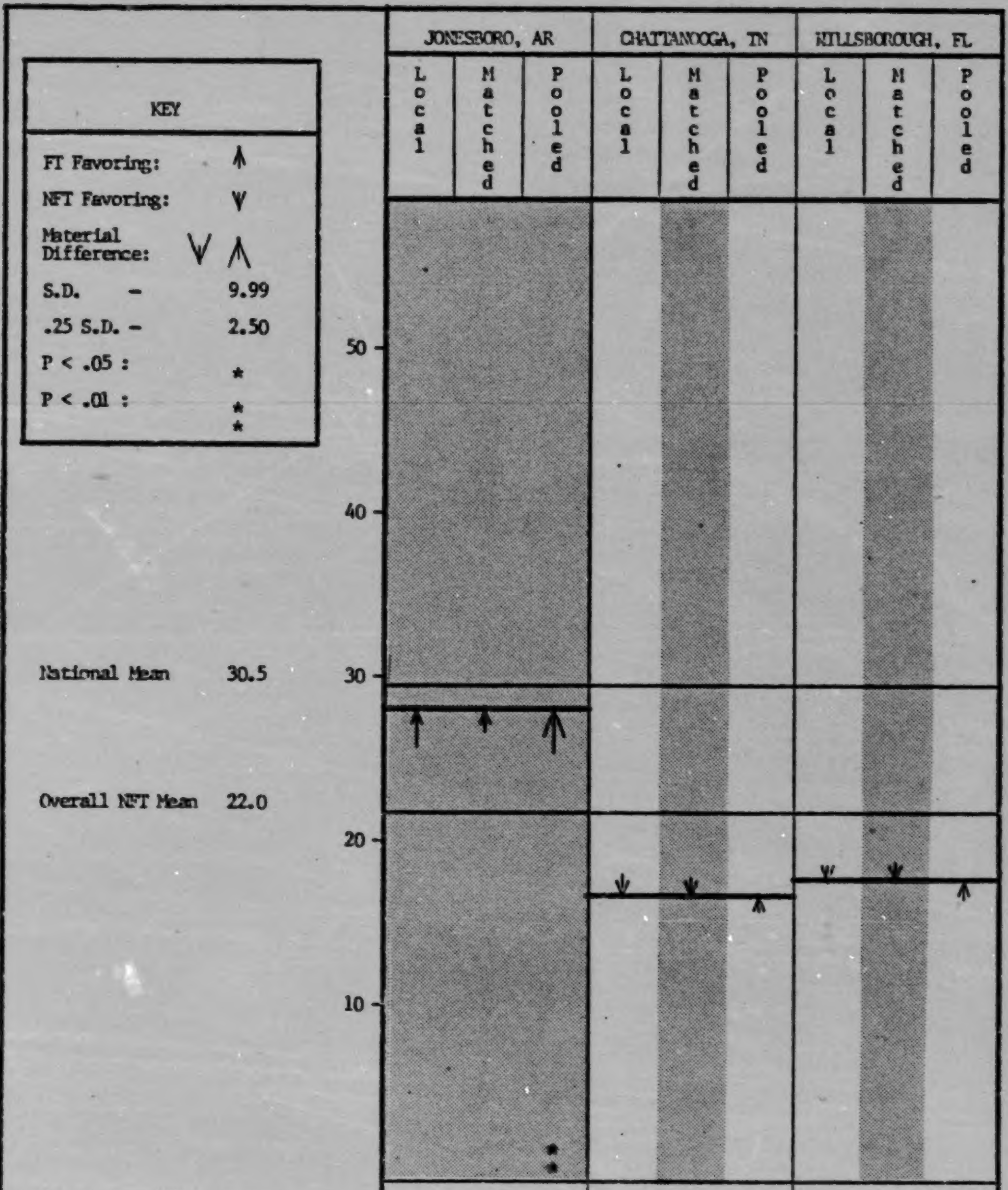
## Table C8-IIEF-5

STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1973)
FOR THE COHORT II ENTERING FIRST SITES
IN THE PARENT EDUCATION MODEL

| | SPONSOR'S SITES | | | JONESBORO, AR | | | CHATTANOOGA, TN | | | HILLSBOROUGH, FL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 53.8 | 51.8 | — | 54.5 | 53.2 | 47.1 | 51.4 | 51.0 | — | 55.5 | 54.2 | 51.0 |
| Number | 3 | 3 | — | 64 | 44 | 60 | 52 | 54 | — | 8 | 49 | 54 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | 4.4 | — | — |
| Best Match Mean Difference | — | — | — | 7.4 | — | — | — | — | — | 4.5 | — | — |
| SCHOOL HELPED CHILD | 54.1 | 46.2 | — | 55.0 | 47.7 | 52.4 | 51.6 | 44.9 | — | 55.5 | 45.9 | 44.9 |
| Number | 3 | 3 | — | 64 | 41 | 60 | 52 | 54 | — | 8 | 49 | 54 |
| Local Mean Difference | 7.9 | — | — | 7.3 | — | — | 6.7 | — | — | 9.6 | — | — |
| Best Match Mean Difference | — | — | — | 2.7 | — | — | — | — | — | 10.7 | — | — |
| PAC INVOLVEMENT | 64.3 | 46.3 | — | 57.7 | 45.5 | 45.0 | 60.0 | 49.1 | — | 66.0 | 44.3 | 49.1 |
| Number | 3 | 3 | — | 63 | 37 | 56 | 52 | 51 | — | 8 | 38 | 51 |
| Local Mean Difference | 14.9 | — | — | 12.2 | — | — | 10.9 | — | — | 21.7 | — | — |
| Best Match Mean Difference | — | — | — | 12.7 | — | — | — | — | — | 16.9 | — | — |
| CHILD READS AT HOME | 51.6 | 50.8 | — | 52.0 | 48.9 | 49.4 | 49.5 | 50.9 | — | 53.4 | 52.5 | 50.9 |
| Number | 3 | 3 | — | 64 | 41 | 60 | 52 | 54 | — | 8 | 49 | 54 |
| Local Mean Difference | — | — | — | 3.1 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 2.5 | — | — | — | — | — | 2.5 | — | — |
| CHILD'S PROG IN SCHOOL | 50.1 | 49.2 | — | 51.9 | 50.9 | 50.7 | 48.1 | 46.8 | — | 50.4 | 49.8 | 46.8 |
| Number | 3 | 3 | — | 64 | 41 | 60 | 52 | 54 | — | 8 | 49 | 54 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | 3.6 | — | — |
| CHILD READ TO AT HOME | 50.1 | 52.1 | — | 48.3 | 48.1 | 47.8 | 51.4 | 54.5 | — | 50.6 | 53.7 | 54.5 |
| Number | 3 | 3 | — | 64 | 41 | 60 | 52 | 54 | — | 8 | 49 | 54 |
| Local Mean Difference | — | — | — | — | — | — | -3.2 | — | — | -3.1 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | -3.9 | — | — |
| PARENT VISITS TO SCHOOL | 55.8 | 49.3 | — | 49.6 | 47.6 | 47.9 | 59.2 | 51.5 | — | 58.7 | 48.7 | 51.5 |
| Number | 3 | 3 | — | 64 | 41 | 60 | 52 | 54 | — | 8 | 49 | 54 |
| Local Mean Difference | 6.6 | — | — | — | — | — | 7.7 | — | — | 10.1 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | 7.3 | — | — |
| CHILD'S EMOT ADJUST | 50.4 | 47.9 | — | 49.9 | 45.3 | 50.8 | 49.1 | 50.9 | — | 52.1 | 47.4 | 50.9 |
| Number | 3 | 3 | — | 64 | 41 | 60 | 52 | 54 | — | 8 | 49 | 54 |
| Local Mean Difference | — | — | — | 4.5 | — | — | — | — | — | 4.6 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| SCH HELPED WITH CHILD | 54.7 | 47.1 | — | 53.9 | 46.0 | 48.9 | 54.5 | 49.4 | — | 55.6 | 45.8 | 49.4 |
| Number | 3 | 3 | — | 64 | 41 | 60 | 52 | 54 | — | 8 | 49 | 54 |
| Local Mean Difference | 7.6 | — | — | 7.9 | — | — | 5.1 | — | — | 9.8 | — | — |
| Best Match Mean Difference | — | — | — | 5.0 | — | — | — | — | — | 6.2 | — | — |
| SCHOOL'S RECEPTIVITY | 53.1 | 49.0 | — | 54.2 | 53.2 | 49.2 | 52.9 | 45.9 | — | 52.4 | 48.0 | 45.9 |
| Number | 3 | 3 | — | 64 | 41 | 60 | 52 | 54 | — | 8 | 49 | 54 |
| Local Mean Difference | 4.1 | — | — | — | — | — | 6.9 | — | — | 4.4 | — | — |
| Best Match Mean Difference | — | — | — | 5.0 | — | — | — | — | — | 6.4 | — | — |
| PARENT LOCUS | 46.9 | 48.6 | — | 46.4 | 45.6 | 49.1 | 47.6 | 51.0 | — | 47.1 | 49.3 | 51.0 |
| Number | 3 | 3 | — | 64 | 41 | 60 | 52 | 54 | — | 8 | 49 | 54 |
| Local Mean Difference | — | — | — | — | — | — | -3.4 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -3.0 | — | — | — | — | — | -3.9 | — | — |
| SCH HELPED PERSONALLY | 52.1 | 48.3 | — | 53.9 | 48.0 | 48.0 | 53.1 | 48.8 | — | 49.4 | 48.0 | 48.8 |
| Number | 3 | 3 | — | 64 | 41 | 60 | 52 | 54 | — | 8 | 49 | 54 |
| Local Mean Difference | 3.8 | — | — | 5.8 | — | — | 4.3 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 5.8 | — | — | — | — | — | — | — | — |
| PARENT-CHILD INTERACTION | 50.0 | 49.3 | — | 49.0 | 49.1 | 50.3 | 48.7 | 50.1 | — | 52.2 | 48.7 | 50.1 |
| Number | 3 | 3 | — | 64 | 41 | 60 | 52 | 54 | — | 8 | 49 | 54 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | 3.5 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| BEST MATCHED SITE | | | | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

## Table C8-IIEF-7

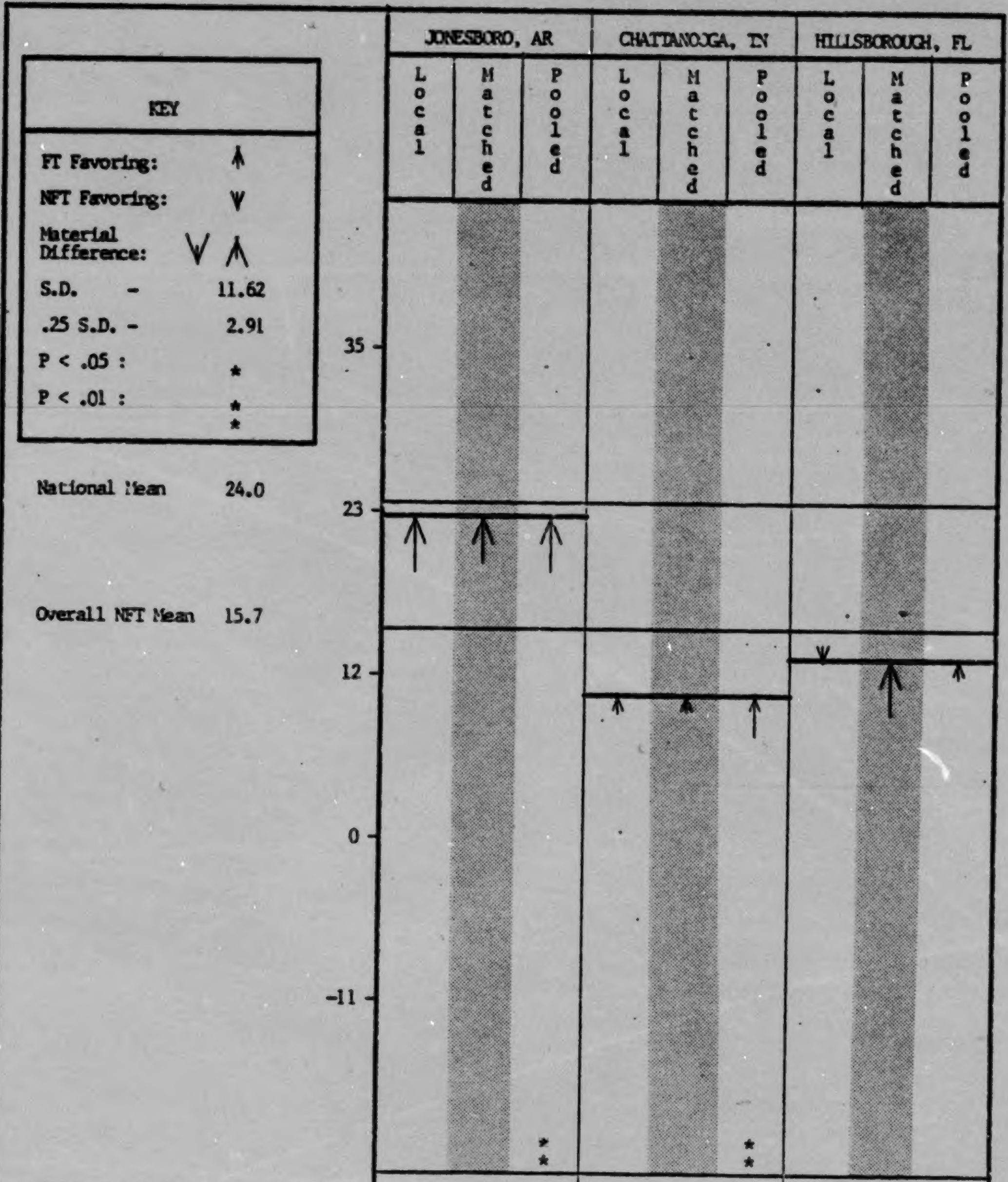
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT WORD KNOWLEDGE
FOR COHORT II ENTERING FIRST SITES
IN THE PARENT EDUCATION MODEL



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 2.30 | 1.36 | 2.63 | -1.23 | -1.10 | 1.10 | -0.65 | -0.34 | 0.66 |
| Standard Error | 1.85 | 1.71 | 0.87 | 1.71 | 1.68 | 0.82 | 3.07 | 3.38 | 2.82 |
| FT Mean | 28.24 | | | 17.02 | | | 17.79 | | |
| No. of FT Children | 89 | | | 102 | | | 19 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

# Table C8-IIEF-8

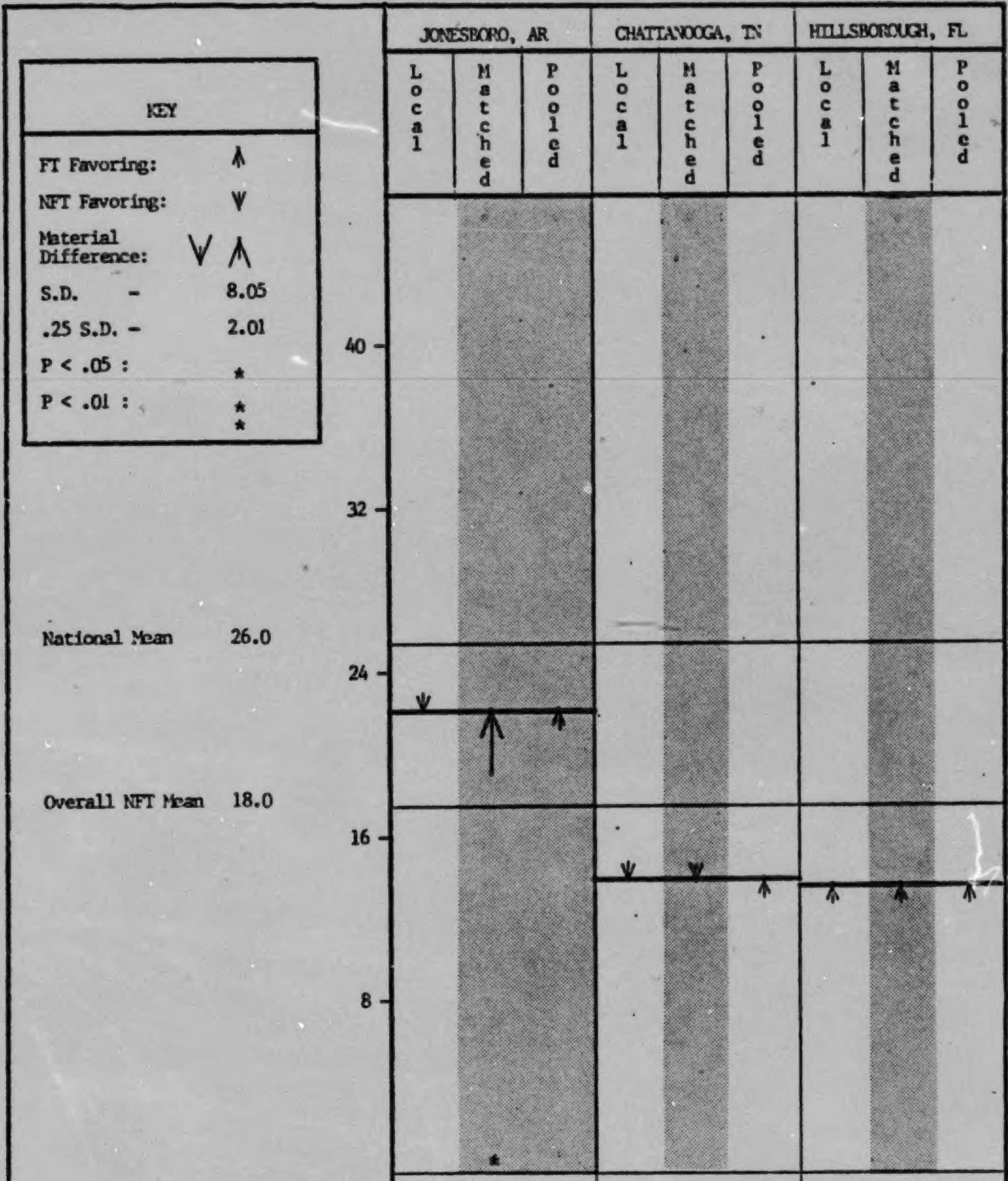
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT SPELLING FOR COHORT II ENTERING FIRST SITES IN THE PARENT EDUCATION MODEL



| | JONESBORO, AR Local | JONESBORO, AR Matched | JONESBORO, AR Pooled | CHATTANOOGA, TN Local | CHATTANOOGA, TN Matched | CHATTANOOGA, TN Pooled | HILLSBOROUGH, FL Local | HILLSBOROUGH, FL Matched | HILLSBOROUGH, FL Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 3.74 | 3.16 | 3.72 | 0.63 | 0.48 | 2.89 | -0.74 | 3.91 | 0.85 |
| Standard Error | 1.93 | 1.95 | 1.01 | 1.79 | 1.65 | 0.95 | 3.22 | 2.81 | 2.52 |
| FT Mean | 23.07 | | | 10.45 | | | 12.95 | | |
| No. of FT Children | 89 | | | 102 | | | 19 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

## Table C8-IIEF-9

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE FOR COHORT II ENTERING FIRST SITES IN THE PARENT EDUCATION MODEL



| | JONESBORO, AR | | | CHATTANOOGA, TN | | | HILLSBOROUGH, FL | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.28 | 3.16 | 0.74 | -0.42 | -0.02 | 0.91 | 0.09 | 0.14 | 0.95 |
| Standard Error | 1.49 | 1.54 | 0.80 | 1.38 | 1.08 | 0.67 | 2.48 | 1.88 | 1.63 |
| FT Mean | 22.44 | | | 14.05 | | | 13.79 | | |
| No. of FT Children | 89 | | | 102 | | | 19 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

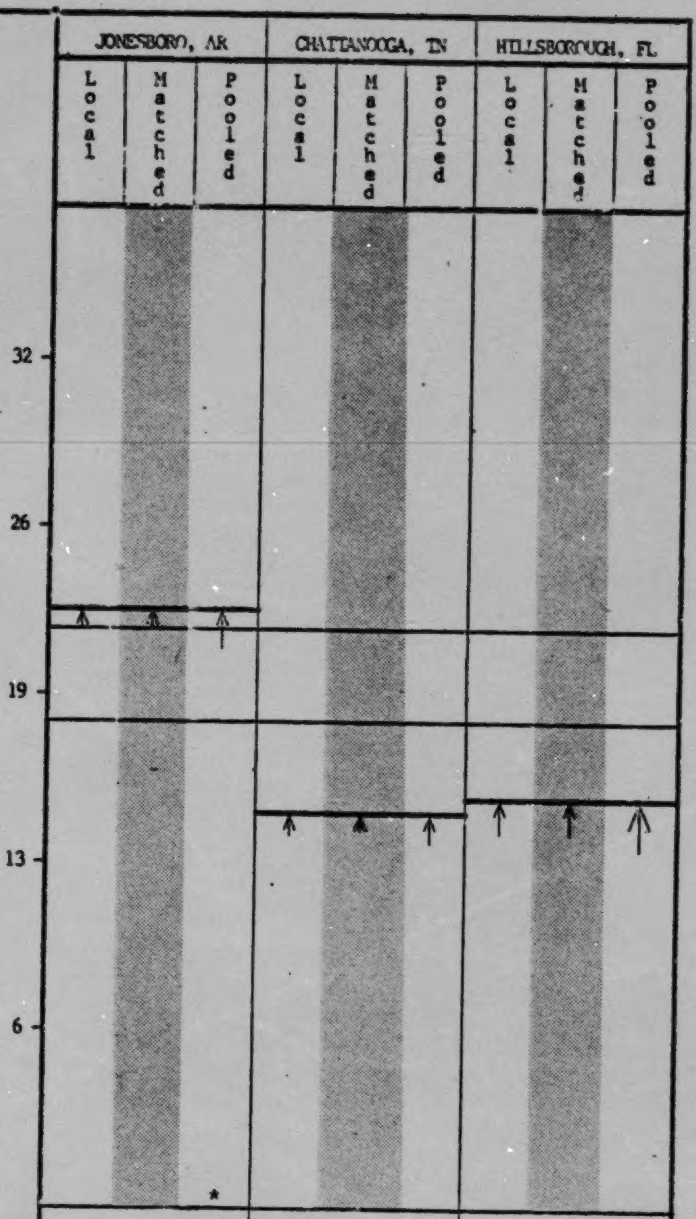
## Table C8-IIEF-10

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT II ENTERING FIRST SITES IN THE PARENT EDUCATION MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. – | 6.49 |
| .25 S.D. – | 1.62 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.5

Overall NFT Mean 18.5



| | JONESBORO, AR | | | CHATTANOOGA, TN | | | HILLSBOROUGH, FL | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.70 | 0.12 | 1.42 | 0.21 | 0.12 | 1.06 | 1.29 | 1.36 | 1.96 |
| Standard Error | 1.23 | 1.35 | 0.63 | 1.13 | 1.15 | 0.59 | 2.04 | 2.15 | 1.20 |
| FT Mean | 22.90 | | | 14.95 | | | 15.58 | | |
| No. of FT Children | 89 | | | 102 | | | 19 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

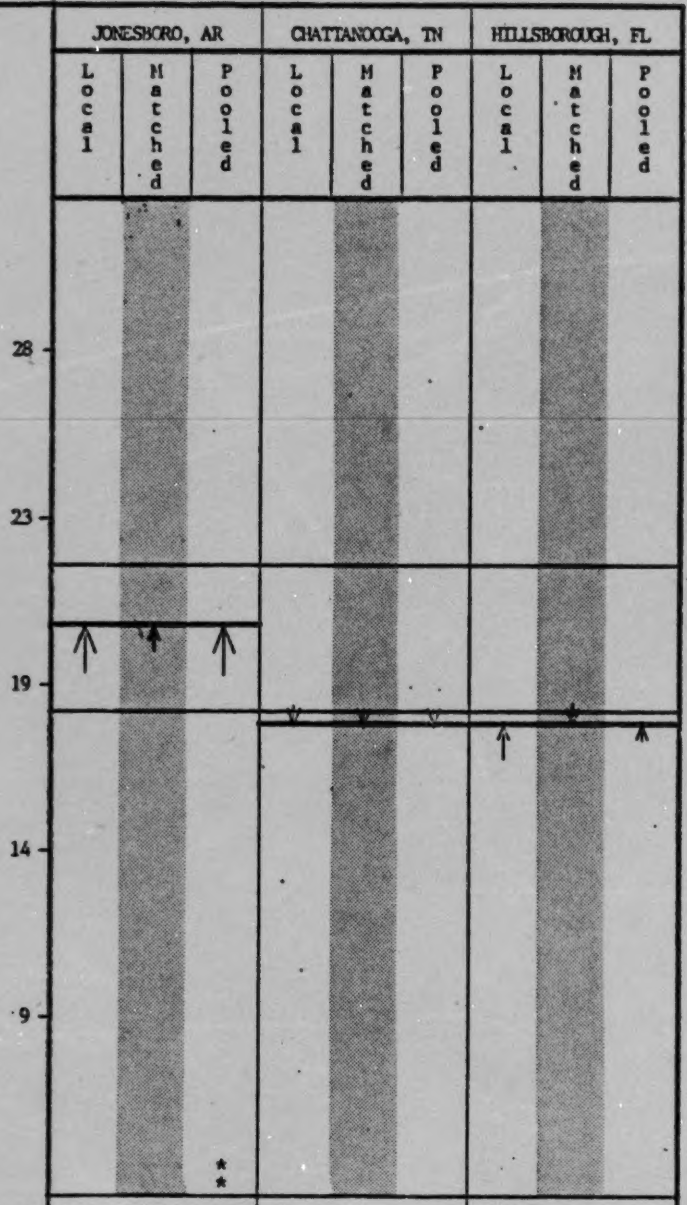
# Table C8-IIEF-11

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE RAVEN'S PROGRESSIVE MATRICES
FOR COHORT II ENTERING FIRST SITES
IN THE PARENT EDUCATION MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. – | 4.64 |
| .25 S.D. – | 1.16 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.3

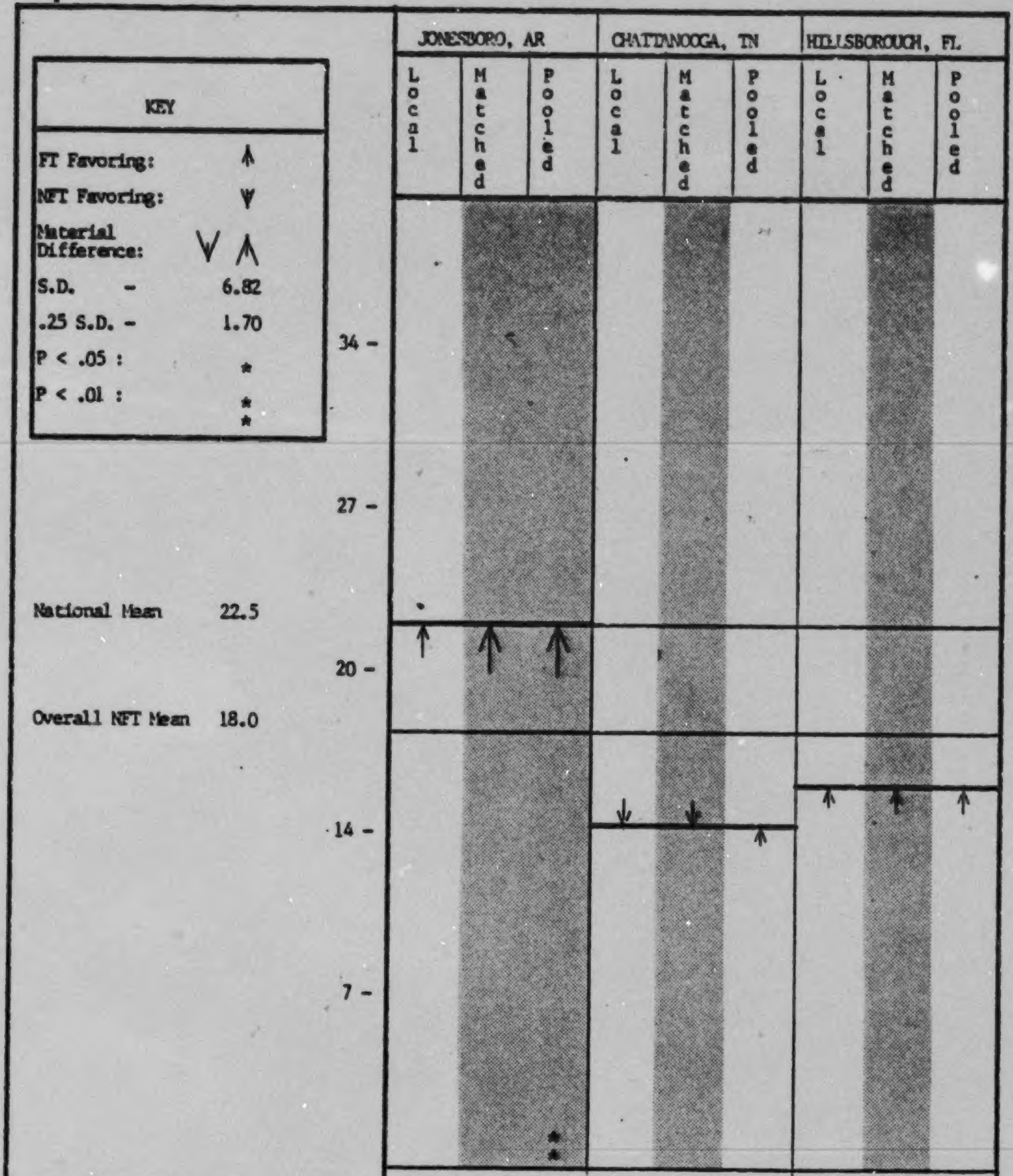
Overall NFT Mean 18.2



| | JONESBORO, AR Local | JONESBORO, AR Matched | JONESBORO, AR Pooled | CHATTANOOGA, TN Local | CHATTANOOGA, TN Matched | CHATTANOOGA, TN Pooled | HILLSBOROUGH, FL Local | HILLSBOROUGH, FL Matched | HILLSBOROUGH, FL Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 1.29 | 0.68 | 1.44 | -0.16 | -0.45 | -0.13 | 0.94 | -0.58 | 0.44 |
| Standard Error | 0.88 | 0.74 | 0.43 | 0.82 | 0.80 | 0.39 | 1.47 | 1.59 | 1.45 |
| FT Mean | 20.35 | | | 17.55 | | | 17.58 | | |
| No. of FT Children | 89 | | | 102 | | | 19 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

## Table C8-IIEF-12

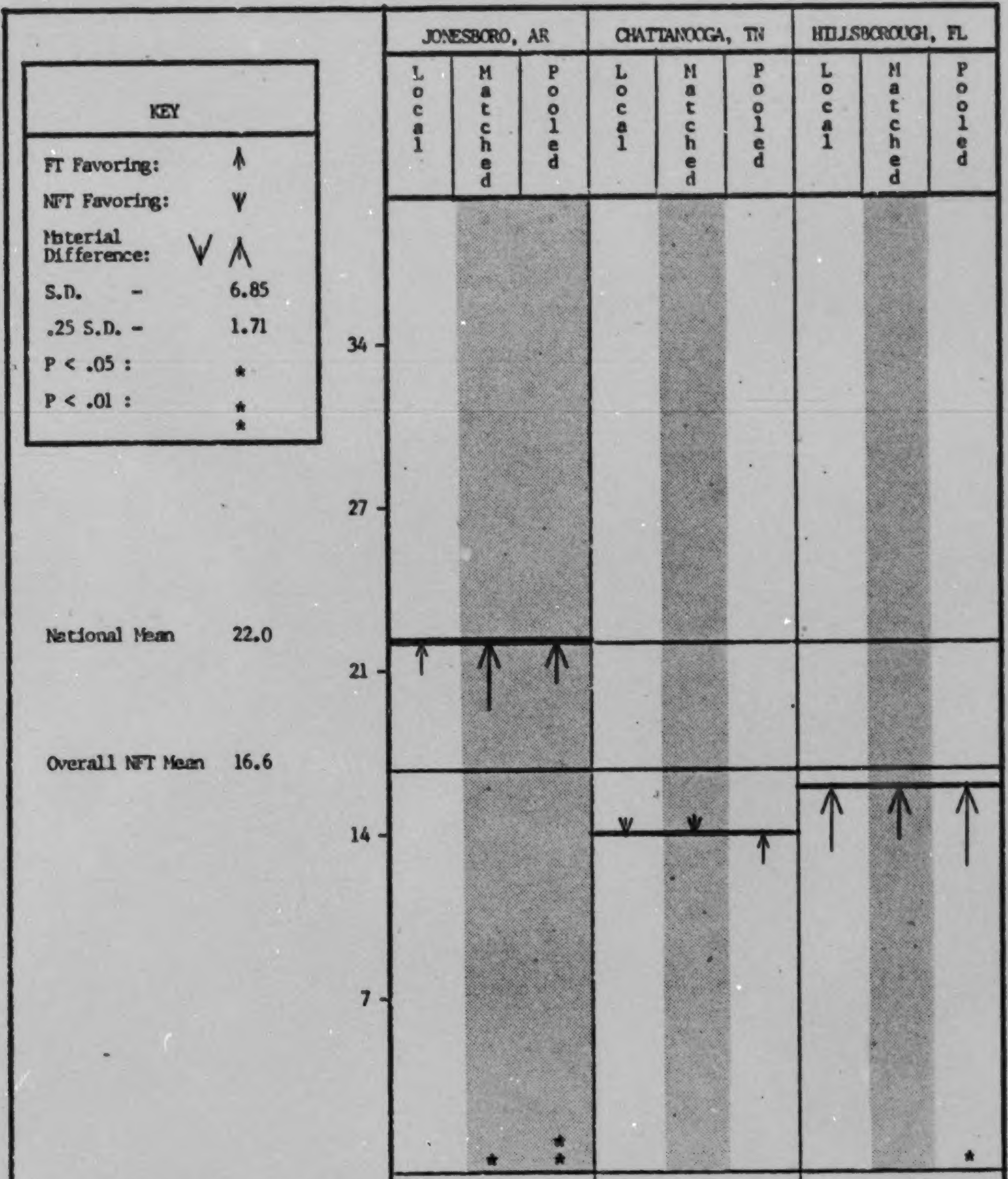
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT READING
FOR COHORT II ENTERING FIRST SITES
IN THE PARENT EDUCATION MODEL



| | JONESBORO, AR | | | CHATTANOOGA, TN | | | HILLSBOROUGH, FL | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 1.42 | 2.07 | 2.24 | -1.15 | -1.01 | 0.24 | 0.54 | 1.02 | 0.99 |
| Standard Error | 1.29 | 1.34 | 0.70 | 1.19 | 1.05 | 0.54 | 2.14 | 2.26 | 1.82 |
| FT Mean | 22.58 | | | 14.12 | | | 15.68 | | |
| No. of FT Children | 89 | | | 102 | | | 19 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

## Table C8-IIEF-13

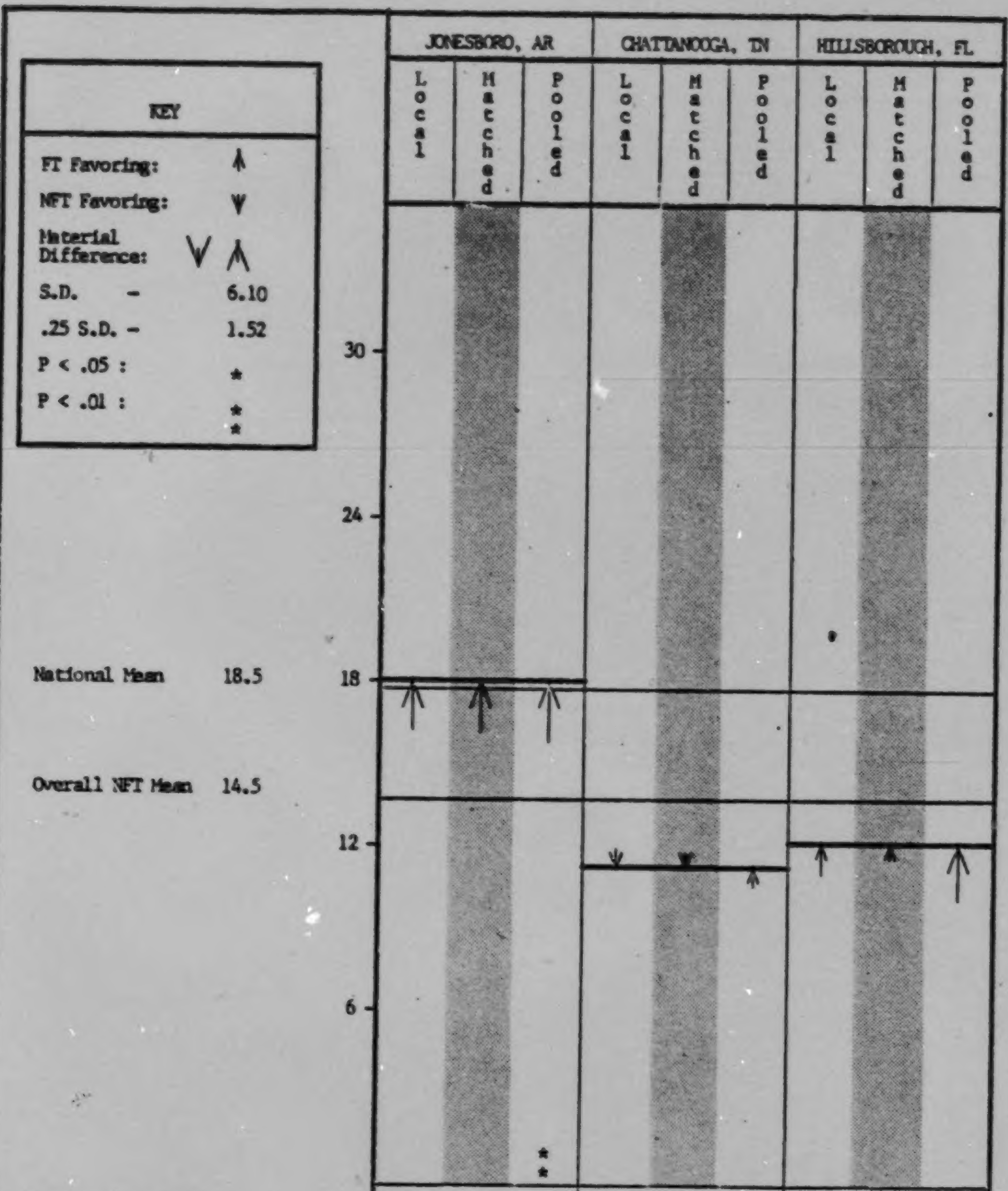
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT MATHEMATICS CONCEPTS
FOR COHORT II ENTERING FIRST SITES
IN THE PARENT EDUCATION MODEL



| | JONESBORO, AR Local | JONESBORO, AR Matched | JONESBORO, AR Pooled | CHATTANOOGA, TN Local | CHATTANOOGA, TN Matched | CHATTANOOGA, TN Pooled | HILLSBOROUGH, FL Local | HILLSBOROUGH, FL Matched | HILLSBOROUGH, FL Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 1.41 | 2.92 | 1.84 | -0.02 | -0.12 | 1.21 | 2.62 | 2.16 | 3.30 |
| Standard Error | 1.33 | 1.30 | 0.68 | 1.23 | 1.24 | 0.65 | 2.22 | 2.36 | 1.47 |
| FT Mean | 22.07 | | | 13.87 | | | 15.74 | | |
| No. of FT Children | 89 | | | 102 | | | 19 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

## Table C8-IIEF-14

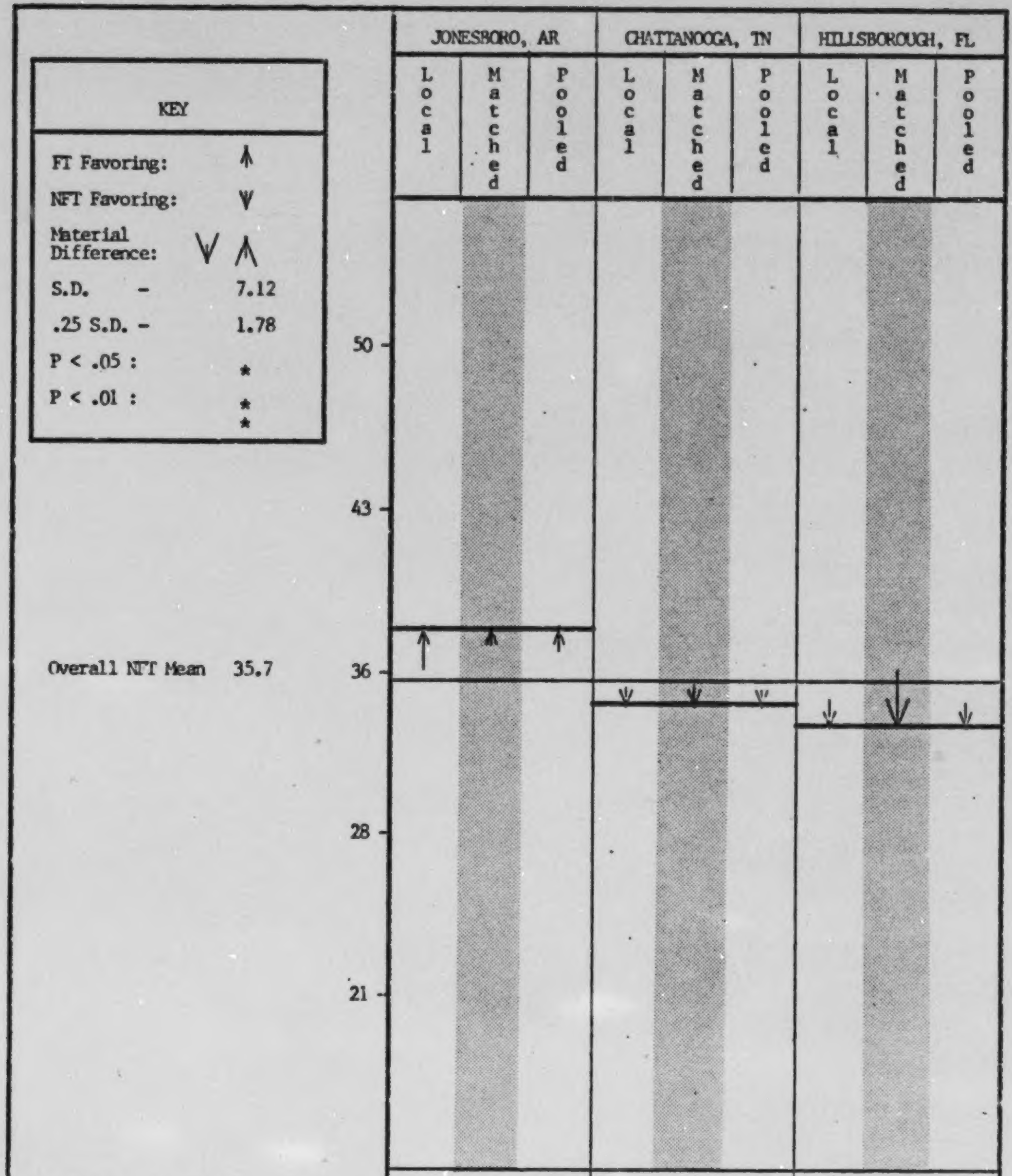
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT II ENTERING FIRST SITES IN THE PARENT EDUCATION MODEL



| | JONESBORO, AR | | | CHATTANOOGA, TN | | | HILLSBOROUGH, FL | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 1.81 | 1.93 | 2.25 | -0.66 | -0.57 | 0.62 | 1.21 | 0.40 | 2.10 |
| Standard Error | 1.21 | 1.27 | 0.68 | 1.12 | 1.05 | 0.55 | 2.02 | 2.04 | 1.28 |
| FT Mean | 18.46 | | | 11.58 | | | 12.53 | | |
| No. of FT Children | 89 | | | 102 | | | 19 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

## Table C8-IIEF-15

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT II ENTERING FIRST SITES IN THE PARENT EDUCATION MODEL



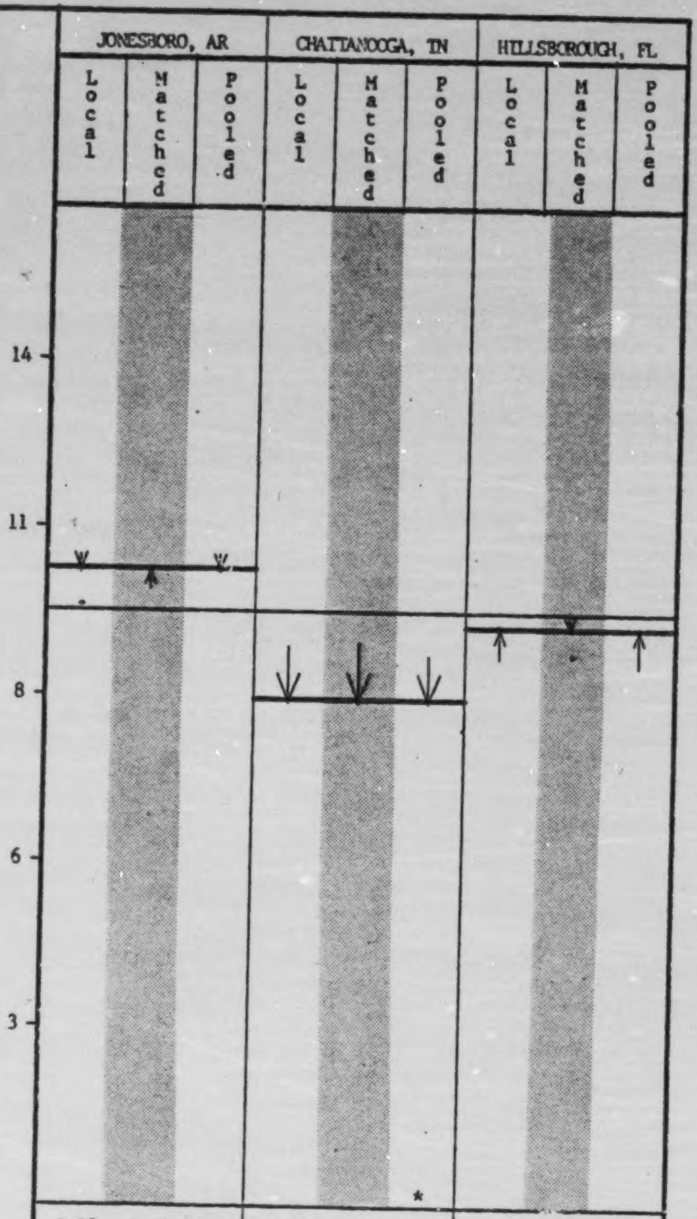
| | JONESBORO, AR | | | CHATTANOOGA, TN | | | HILLSBOROUGH, FL | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 1.73 | 0.32 | 1.04 | -0.64 | -0.88 | -0.45 | -1.17 | -2.48 | -1.00 |
| Standard Error | 1.51 | 1.29 | 0.67 | 1.39 | 1.44 | 0.69 | 2.50 | 2.67 | 1.54 |
| FT Mean | 37.71 | | | 34.33 | | | 33.47 | | |
| No. of FT Children | 89 | | | 102 | | | 19 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

## Table C8-IIEF-16

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT II ENTERING FIRST SITES IN THE PARENT EDUCATION MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. - | 2.76 |
| .25 S.D. - | .69 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 9.7

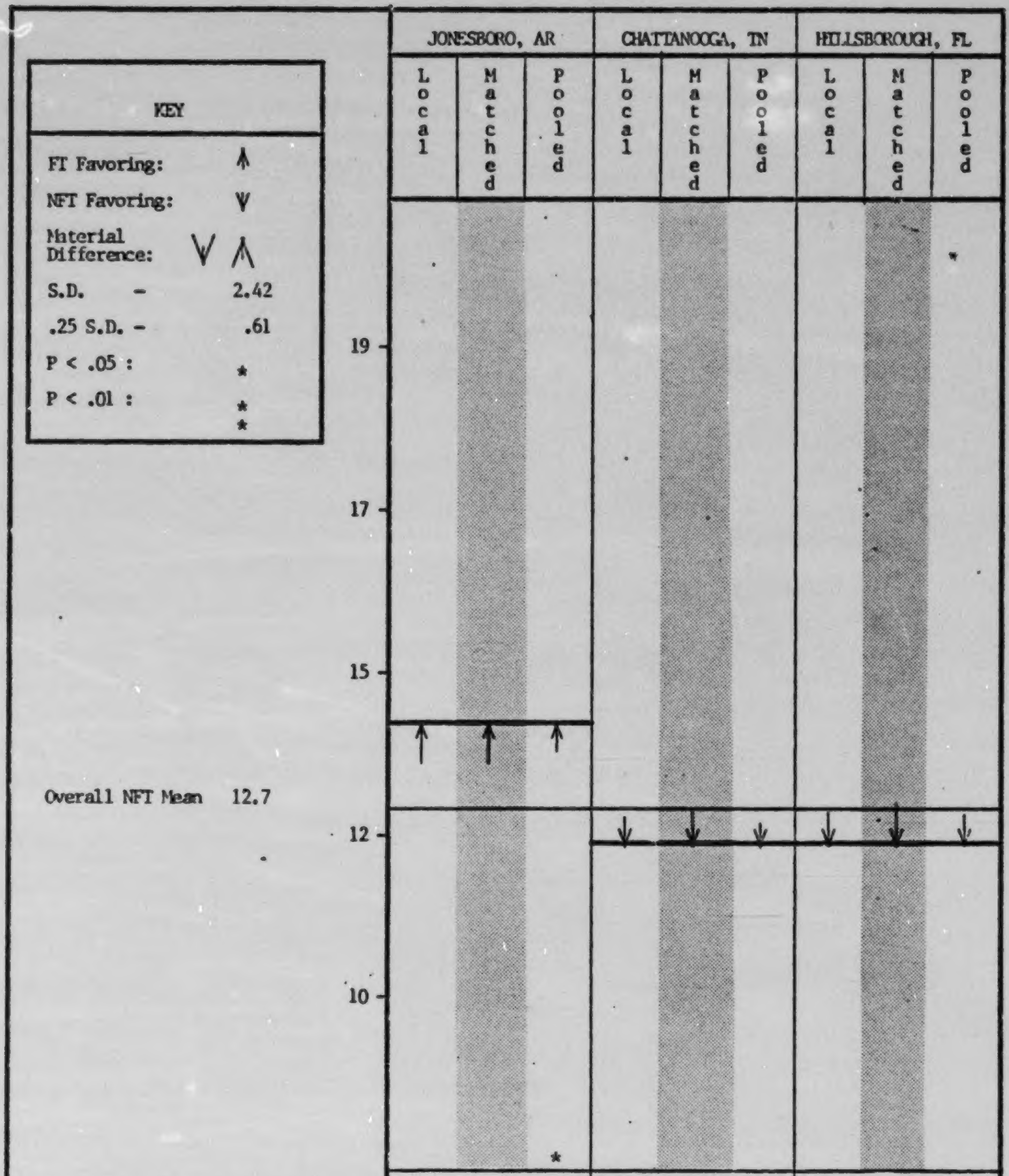


| | JONESBORO, AR Local | JONESBORO, AR Matched | JONESBORO, AR Pooled | CHATTANOOGA, TN Local | CHATTANOOGA, TN Matched | CHATTANOOGA, TN Pooled | HILLSBOROUGH, FL Local | HILLSBOROUGH, FL Matched | HILLSBOROUGH, FL Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.18 | 0.29 | -0.21 | -0.92 | -0.93 | -0.74 | 0.48 | -0.09 | 0.60 |
| Standard Error | 0.61 | 0.51 | 0.28 | 0.57 | 0.62 | 0.31 | 1.02 | 1.10 | 0.63 |
| FT Mean | 10.38 | | | 8.27 | | | 9.47 | | |
| No. of FT Children | 89 | | | 102 | | | 19 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

**COHORT II-EF STUDY**
**Non-Preschool Adjusted**

### Table C8-IIEF-17

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE
FOR COHORT II ENTERING FIRST SITES
IN THE PARENT EDUCATION MODEL

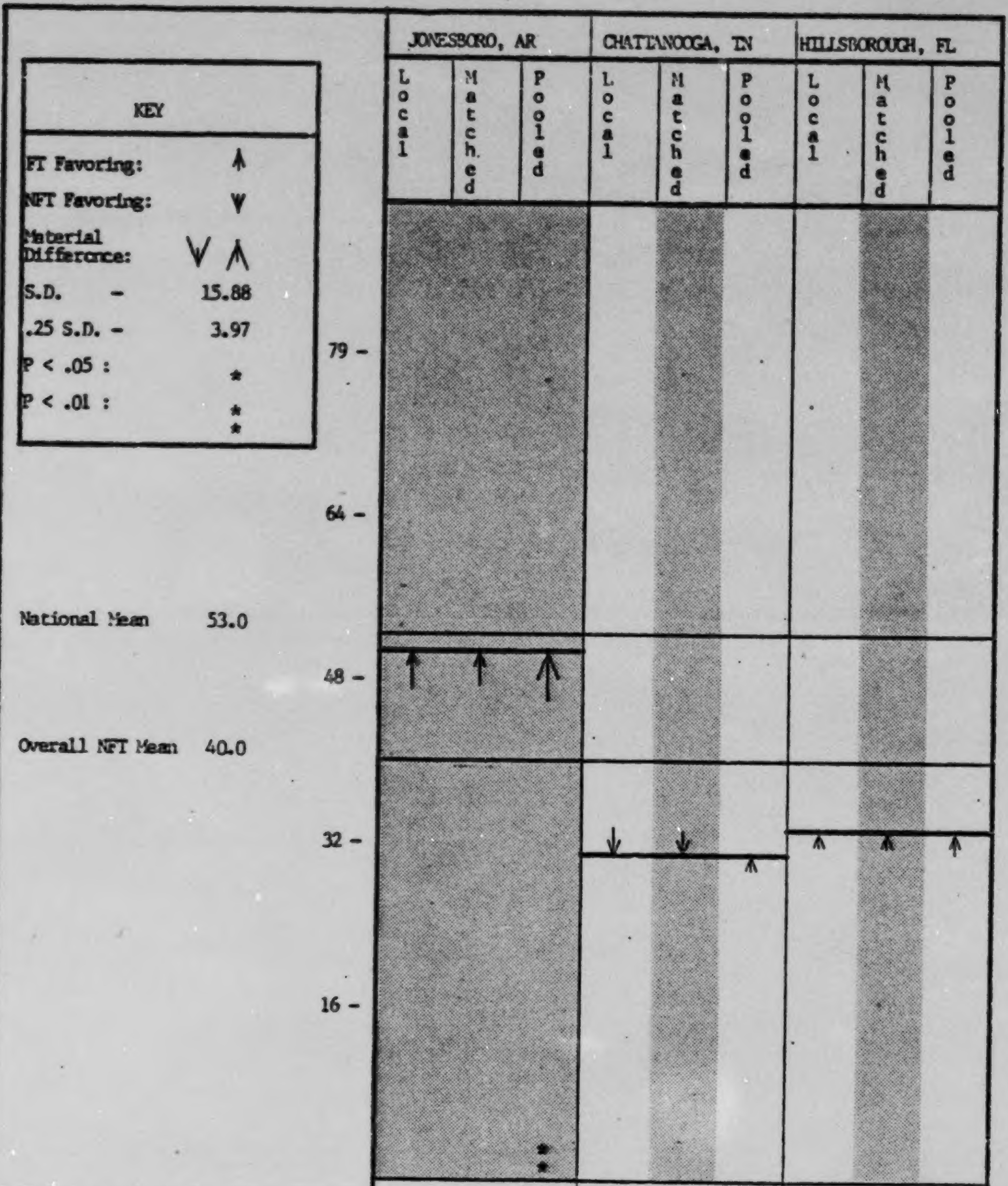


| | JONESBORO, AR Local | JONESBORO, AR Matched | JONESBORO, AR Pooled | CHATTANOOGA, TN Local | CHATTANOOGA, TN Matched | CHATTANOOGA, TN Pooled | HILLSBOROUGH, FL Local | HILLSBOROUGH, FL Matched | HILLSBOROUGH, FL Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 0.58 | 0.57 | 0.39 | -0.41 | -0.53 | -0.31 | -0.49 | -0.59 | -0.42 |
| Standard Error | 0.49 | 0.39 | 0.19 | 0.45 | 0.50 | 0.26 | 0.81 | 0.92 | 0.68 |
| FT Mean | 13.81 | | | 12.03 | | | 12.05 | | |
| No. of FT Children | 89 | | | 102 | | | 19 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

1084

## Table C8-IIEF-18

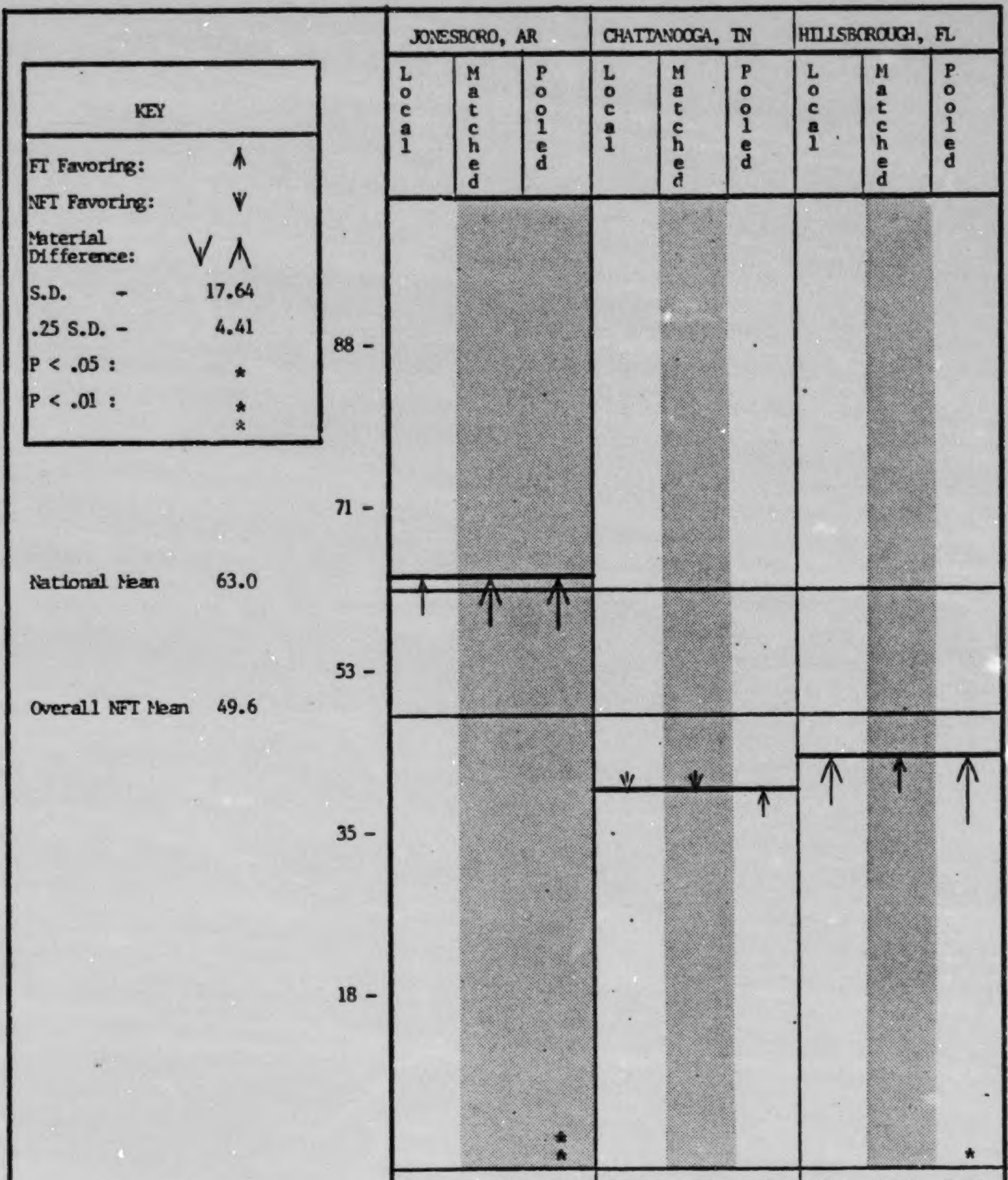
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT TOTAL READING
FOR COHORT II ENTERING FIRST SITES
IN THE PARENT EDUCATION MODEL



| | JONESBORO, AR Local | JONESBORO, AR Matched | JONESBORO, AR Pooled | CHATTANOOGA, TN Local | CHATTANOOGA, TN Matched | CHATTANOOGA, TN Pooled | HILLSBOROUGH, FL Local | HILLSBOROUGH, FL Matched | HILLSBOROUGH, FL Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 3.74 | 3.43 | 4.87 | -2.42 | -2.11 | 1.32 | 0.31 | 0.68 | 2.07 |
| Standard Error | 2.95 | 2.90 | 1.47 | 2.72 | 2.53 | 1.27 | 4.90 | 5.29 | 4.49 |
| FT Mean | 50.82 | | | 31.14 | | | 33.47 | | |
| No. of FT Children | 89 | | | 102 | | | 19 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

## Table C8-IIEF-19

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT TOTAL MATH
FOR COHORT II ENTERING FIRST SITES
IN THE PARENT EDUCATION MODEL



| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 3.92 | 4.97 | 5.45 | -0.47 | -0.58 | 2.87 | 5.13 | 3.92 | 7.34 |
| Standard Error | 3.36 | 3.51 | 1.78 | 3.11 | 3.03 | 1.62 | 5.59 | 5.77 | 3.35 |
| FT Mean | 63.43 | | | 40.40 | | | 43.84 | | |
| No. of FT Children | 89 | | | 102 | | | 19 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

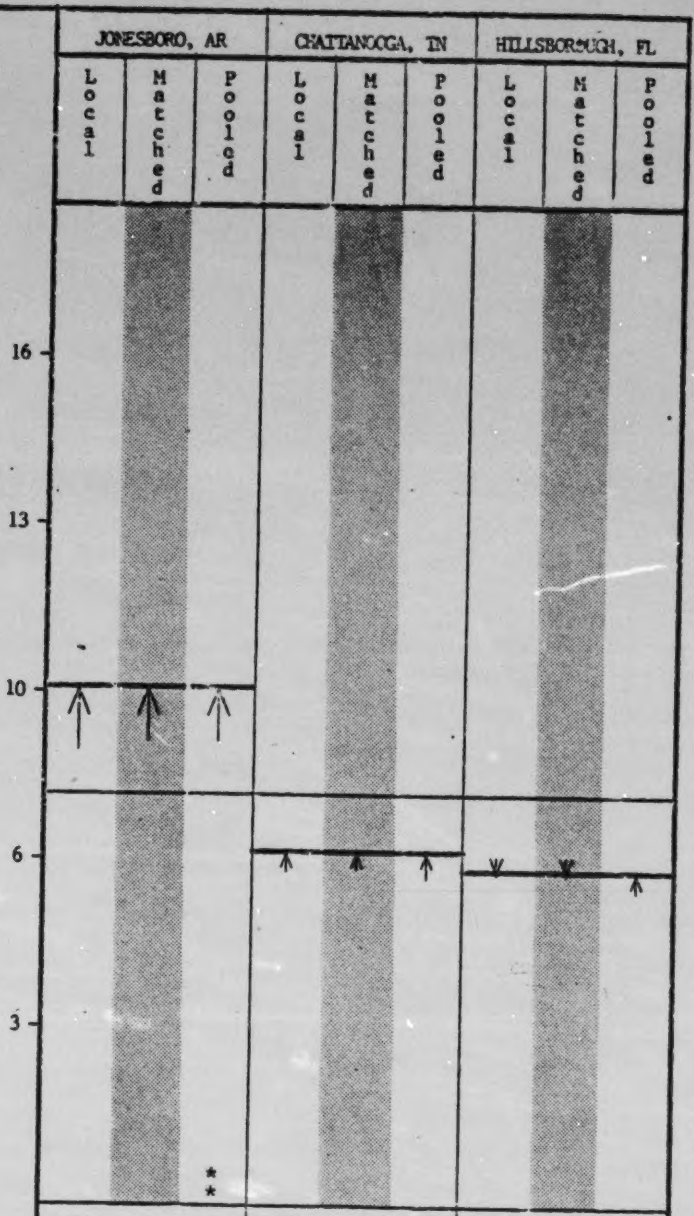
1086

# Table C8-IIEF-20

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT II ENTERING FIRST SITES IN THE PARENT EDUCATION MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. – | 3.19 |
| .25 S.D. – | .80 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 7.6



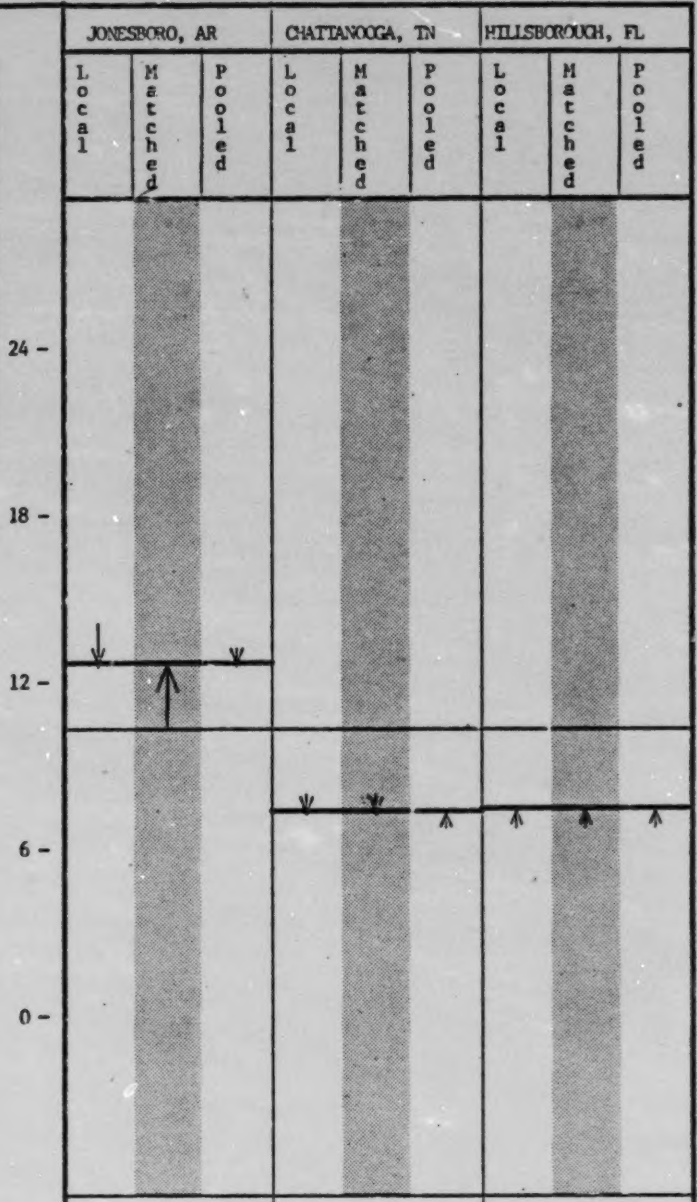
| | JONESBORO, AR Local | JONESBORO, AR Matched | JONESBORO, AR Pooled | CHATTANOOGA, TN Local | CHATTANOOGA, TN Matched | CHATTANOOGA, TN Pooled | HILLSBOROUGH, FL Local | HILLSBOROUGH, FL Matched | HILLSBOROUGH, FL Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 1.16 | 0.96 | 1.00 | 0.08 | 0.06 | 0.43 | -0.10 | -0.25 | 0.13 |
| Standard Error | 0.62 | 0.56 | 0.28 | 0.58 | 0.62 | 0.32 | 1.04 | 1.09 | 0.83 |
| FT Mean | | 9.70 | | | 6.57 | | | 6.21 | |
| No. of FT Children | | 89 | | | 102 | | | 19 | |
| Matched NFT Site | | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | |

**COHORT II-EF STUDY**
**Non-Preschool Adjusted**

## Table C8-IIEF-21

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT II ENTERING FIRST SITES IN THE PARENT EDUCATION MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 5.98 |
| .25 S.D. - | 1.49 |
| P < .05 : | * |
| P < .01 : | ** |



Overall NFT Mean 10.4

| | JONESBORO, AR Local | JONESBORO, AR Matched | JONESBORO, AR Pooled | CHATTANOOGA, TN Local | CHATTANOOGA, TN Matched | CHATTANOOGA, TN Pooled | HILLSBOROUGH, FL Local | HILLSBOROUGH, FL Matched | HILLSBOROUGH, FL Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -1.46 | 2.20 | -0.26 | -0.50 | -0.09 | 0.48 | 0.09 | 0.39 | 0.71 |
| Standard Error | 1.15 | 1.20 | 0.64 | 1.06 | 0.76 | 0.51 | 1.91 | 1.37 | 1.06 |
| FT Mean | | 12.74 | | | 7.48 | | | 7.58 | |
| No. of FT Children | | 89 | | | 102 | | | 19 | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

Table C8-IIEF-22

### STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT II ENTERING FIRST SITES IN THE PARENT EDUCATION MODEL

| | | SPONSOR'S SITES | | | JONESBORO, AR | | | CHATTANOOGA, TN | | | HILLSBOROUGH, FL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAT NORM POPULATION | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| TOTAL READING | | | | | | | | | | | | | |
| Third Grade Median | 61 | 51.3 | 52.6 | — | 60.0 | 64.0 | 59.5 | 46.8 | 46.8 | — | 47.0 | 47.0 | 46.8 |
| Median Percentile | 50 | 20.0 | 24.0 | 20.0 | 46.0 | 60.0 | 46.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Grade Equivalent | 3.5 | 2.5 | 2.7 | 2.5 | 3.4 | 3.8 | 3.4 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 1 Year or More Below Grade Level | 20 | 50.3 | 52.4 | — | 20.2 | 14.0 | 21.0 | 67.6 | 78.6 | — | 63.2 | 64.5 | 78.6 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 61.4 | 59.8 | — | 70.3 | 71.0 | 72.0 | 55.0 | 52.7 | — | 59.0 | 55.8 | 52.7 |
| Median Percentile | 50 | 20.0 | 18.0 | 16.0 | 48.0 | 52.0 | 72.0 | 10.0 | 8.0 | 8.0 | 16.0 | 11.0 | 8.0 |
| Grade Equivalent | 3.75 | 3.0 | 3.0 | 2.9 | 3.7 | 3.8 | 3.9 | 2.5 | 2.4 | 2.4 | 2.9 | 2.6 | 2.4 |
| 1 Year or More Below Grade Level | 12 | 39.6 | 41.0 | — | 14.6 | 8.6 | 16.1 | 56.9 | 61.2 | — | 47.4 | 53.3 | 61.2 |
| SPELLING | | | | | | | | | | | | | |
| Third Grade Median | 64 | 54.1 | 54.8 | — | 64.3 | 66.7 | 61.5 | 48.0 | 45.3 | — | 50.0 | 52.4 | 45.3 |
| Median Percentile | 50 | 22.0 | 23.0 | 16.0 | 50.0 | 60.0 | 44.0 | 12.0 | 8.0 | 8.0 | 14.0 | 18.0 | 8.0 |
| Grade Equivalent | 3.6 | 2.6 | 2.7 | 2.4 | 3.6 | 4.1 | 3.4 | 2.2 | 2.0 | 2.0 | 2.3 | 2.5 | 2.0 |
| 1 Year or More Below Grade Level | 22 | 43.4 | 49.3 | — | 15.7 | 15.1 | 21.0 | 61.8 | 75.7 | — | 52.6 | 57.0 | 75.7 |
| LANGUAGE | | | | | | | | | | | | | |
| Third Grade Median | 70 | 58.7 | 59.2 | — | 64.9 | 68.8 | 63.2 | 55.6 | 54.7 | — | 55.7 | 54.1 | 54.7 |
| Median Percentile | 50 | 23.0 | 23.0 | 22.0 | 38.0 | 48.0 | 32.0 | 18.0 | 14.0 | 14.0 | 18.0 | 12.0 | 14.0 |
| Grade Equivalent | 4.0 | 2.9 | 2.9 | 2.8 | 3.4 | 3.9 | 3.2 | 2.6 | 2.5 | 2.5 | 2.6 | 2.4 | 2.5 |
| 1 Year or More Below Grade Level | 14 | 63.0 | 60.6 | — | 35.0 | 23.7 | 38.7 | 79.4 | 80.6 | — | 73.7 | 77.6 | 80.6 |
| BEST MATCHED SITE | | | | | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

## Table C8-IIEF-23

### MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES USED IN THE ANALYTIC SAMPLE OF THE COHORT II ENTERING FIRST SITES IN THE PARENT EDUCATION MODEL

| | SPONSOR'S SITES | | | JONESBORO, AR | | | CHATTANOOGA, TN | | | HILLSBOROUGH, FL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | | | | | | | |
| Mean | 33.5 | 35.7 | — | 36.4 | 43.6 | 40.6 | 33.5 | 29.4 | — | 30.7 | 34.1 | 29.4 |
| Standard Deviation | — | — | — | 11.9 | 11.3 | 9.8 | 11.1 | 11.1 | — | 11.9 | 12.5 | 11.1 |
| HIGHEST OCCUPATION IN HOUSE | | | | | | | | | | | | |
| Mean | 13.4 | 14.2 | — | 14.0 | 15.5 | 14.8 | 13.4 | 13.1 | — | 12.9 | 14.0 | 13.1 |
| Standard Deviation | — | — | — | 1.9 | 2.1 | 2.1 | 1.8 | 1.5 | — | 2.0 | 1.9 | 1.5 |
| FAMILY INCOME IN DOLLARS | | | | | | | | | | | | |
| Mean | 5279 | 5589 | — | 6036 | 7319 | 6436 | 4676 | 4347 | — | 5125 | 5102 | 4347 |
| Standard Deviation | — | — | — | 2590 | 2457 | 2661 | 2888 | 2267 | — | 2532 | 2679 | 2267 |
| MISSING INCOME INFORMATION | | | | | | | | | | | | |
| No. Missing | — | — | — | 20 | 46 | 7 | 48 | 44 | — | 11 | 58 | 44 |
| Valid Cases | — | — | — | 69 | 47 | 55 | 54 | 59 | — | 8 | 49 | 59 |
| ETHNIC MEMBERSHIP/RACE | | | | | | | | | | | | |
| Percent White | 54 | 41 | — | 72 | 97 | 85 | 37 | 17 | — | 53 | 7 | 17 |
| Percent Black | 46 | 55 | — | 28 | 3 | 15 | 63 | 83 | — | 47 | 79 | 83 |
| SEX Percent Female | 50 | 49 | — | 46 | 52 | 39 | 51 | 47 | — | 53 | 49 | 47 |
| ENTRY AGE IN MONTHS | | | | | | | | | | | | |
| Mean | 77.2 | 77.1 | — | 78.5 | 79.1 | 78.1 | 76.7 | 77.1 | — | 76.4 | 75.1 | 77.1 |
| Standard Deviation | — | — | — | 4.3 | 4.5 | 4.3 | 4.3 | 4.2 | — | 4.3 | 4.4 | 4.2 |
| FIRST LANGUAGE | | | | | | | | | | | | |
| Percent English | 100 | 97 | — | 100 | 100 | 100 | 100 | 100 | — | 100 | 90 | 100 |
| BEST MATCHED SITE | | | | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

## Table C8-IIEF-24

## MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES COHORT II ENTERING FIRST SITES IN THE PARENT EDUCATION MODEL

| | ALL SITES | | SPONSOR'S SITES | | | JONESBORO, AR | | | CHATTANOOGA, TN | | | HILLSBOROUGH, FL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | | |
| Mean | 36.10 | 37.29 | 38.48 | 39.02 | — | 50.82 | 55.73 | 51.84 | 31.14 | 28.90 | — | 33.47 | 32.44 | 28.90 |
| Standard Deviation | | | — | — | — | 18.80 | 19.34 | 19.57 | 14.72 | 15.17 | — | 19.31 | 18.05 | 15.17 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | |
| Mean | 46.79 | 47.93 | 49.22 | 48.06 | — | 63.43 | 66.88 | 64.37 | 40.40 | 37.50 | — | 43.84 | 39.81 | 37.50 |
| Standard Deviation | | | — | — | — | 20.47 | 19.62 | 22.83 | 17.67 | 16.13 | — | 17.93 | 17.93 | 16.13 |
| LANGUAGE | | | | | | | | | | | | | | |
| Mean | 18.13 | 18.20 | 16.76 | 17.55 | — | 22.44 | 25.77 | 21.65 | 14.05 | 13.05 | — | 13.79 | 13.82 | 13.05 |
| Standard Deviation | | | — | — | — | 9.61 | 10.59 | 9.80 | 6.66 | 5.24 | — | 5.89 | 7.51 | 5.24 |
| SPELLING | | | | | | | | | | | | | | |
| Mean | 15.76 | 14.48 | 15.49 | 14.71 | — | 23.07 | 24.51 | 22.34 | 10.45 | 6.68 | — | 12.95 | 12.94 | 6.68 |
| Standard Deviation | | | — | — | — | 11.32 | 11.23 | 12.09 | 11.61 | 8.20 | — | 12.77 | 12.46 | 8.20 |
| RAVEN'S PROGRESSIVE MAT. | | | | | | | | | | | | | | |
| Mean | 16.49 | 17.43 | 18.49 | 18.01 | — | 20.35 | 20.75 | 21.11 | 17.55 | 16.76 | — | 17.58 | 16.52 | 16.76 |
| Standard Deviation | | | — | — | — | 4.74 | 4.62 | 4.84 | 4.74 | 4.62 | — | 6.30 | 5.26 | 4.62 |
| COOPERSMITH'S SELF-EST. | | | | | | | | | | | | | | |
| Mean | 35.35 | 35.93 | 35.17 | 35.78 | — | 37.71 | 37.74 | 38.71 | 34.33 | 34.10 | — | 33.47 | 35.49 | 34.10 |
| Standard Deviation | | | — | — | — | 6.57 | 7.72 | 7.31 | 7.24 | 7.64 | — | 7.31 | 8.32 | 7.64 |
| IARS-LOCUS NEGATIVE | | | | | | | | | | | | | | |
| Mean | 9.57 | 9.53 | 9.38 | 9.71 | — | 10.38 | 10.99 | 10.48 | 8.27 | 9.04 | — | 9.47 | 9.11 | 9.04 |
| Standard Deviation | | | — | — | — | 2.59 | 2.68 | 2.76 | 3.21 | 2.97 | — | 2.63 | 3.17 | 2.97 |
| IARS-LOCUS POSITIVE | | | | | | | | | | | | | | |
| Mean | 12.30 | 12.49 | 12.63 | 12.76 | — | 13.81 | 13.84 | 13.55 | 12.03 | 12.02 | — | 12.05 | 12.42 | 12.02 |
| Standard Deviation | | | — | — | — | 1.76 | 2.16 | 2.41 | 2.77 | 2.48 | — | 3.22 | 2.49 | 2.48 |
| WORD KNOWLEDGE | | | | | | | | | | | | | | |
| Mean | 20.39 | 20.34 | 21.02 | 21.41 | — | 28.24 | 31.25 | 29.69 | 17.02 | 15.34 | — | 17.79 | 17.64 | 15.34 |
| Standard Deviation | | | — | — | — | 11.01 | 11.44 | 11.51 | 9.79 | 9.89 | — | 12.27 | 11.38 | 9.89 |
| READING | | | | | | | | | | | | | | |
| Mean | 15.72 | 16.98 | 17.46 | 17.71 | — | 22.58 | 24.48 | 22.15 | 14.12 | 13.56 | — | 15.68 | 15.08 | 13.56 |
| Standard Deviation | | | — | — | — | 8.54 | 8.47 | 8.54 | 5.74 | 6.14 | — | 7.83 | 7.20 | 6.14 |
| MATH COMPUTATIONS | | | | | | | | | | | | | | |
| Mean | 18.34 | 18.29 | 17.81 | 17.69 | — | 22.90 | 24.12 | 24.42 | 14.95 | 14.02 | — | 15.58 | 14.93 | 14.02 |
| Standard Deviation | | | — | — | — | 6.64 | 6.03 | 8.92 | 6.25 | 5.88 | — | 6.18 | 6.83 | 5.88 |
| MATH CONCEPTS | | | | | | | | | | | | | | |
| Mean | 15.41 | 15.82 | 17.23 | 16.52 | — | 22.07 | 23.75 | 21.37 | 13.87 | 12.43 | — | 15.74 | 13.38 | 12.43 |
| Standard Deviation | | | — | — | — | 7.91 | 7.59 | 8.18 | 7.23 | 6.74 | — | 7.62 | 7.40 | 6.74 |
| MATH PROBLEM SOLVING | | | | | | | | | | | | | | |
| Mean | 13.03 | 13.83 | 14.19 | 13.85 | — | 18.46 | 19.01 | 18.58 | 11.58 | 11.05 | — | 12.53 | 11.50 | 11.05 |
| Standard Deviation | | | — | — | — | 7.54 | 7.43 | 7.74 | 5.76 | 5.57 | — | 6.07 | 5.64 | 5.57 |
| LANGUAGE PART A | | | | | | | | | | | | | | |
| Mean | 7.37 | 7.34 | 7.49 | 7.34 | — | 9.70 | 9.85 | 9.40 | 6.57 | 5.82 | — | 6.21 | 6.36 | 5.82 |
| Standard Deviation | | | — | — | — | 3.12 | 2.99 | 3.69 | 3.61 | 3.13 | — | 3.90 | 3.57 | 3.13 |
| LANGUAGE PART B | | | | | | | | | | | | | | |
| Mean | 10.75 | 10.86 | 9.27 | 10.23 | — | 12.74 | 15.92 | 12.24 | 7.48 | 7.23 | — | 7.58 | 7.53 | 7.23 |
| Standard Deviation | | | — | — | — | 7.45 | 8.46 | 7.16 | 4.17 | 3.70 | — | 3.22 | 4.86 | 3.70 |
| BEST MATCH SITE | | | | | | Johnston Co., NC | | | Chattanooga, TN | | | Chattanooga, TN | | |

Table C8-IIEF-25

# REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT II-EF LOCAL ANALYSES FOR THE PARENT EDUCATION MODEL

### CODE

**FEW** = **Fall Entering WRAT**
**NOFEW** = **Missing WRAT**
**SEX** = **Sex**
**LANG** = **First Language**
**INCOME** = **Income**
**NOINC** = **Missing Income**
**ENTAGE** = **Entry Age**
**OCCUP** = **Occupation**
**ETH1** = **White vs. Black**
**ETH2** = **White vs. Other**
**NOOCCUP** = **Missing Occupation**

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .75262371 | .74496548E-01 |
| NOFEW | -6.1123584 | 4.0614426 |
| SEX | 2.9796253 | 1.6859231 |
| LANG | 11.161695 | 9.7011041 |
| INCOME | .28623131E-03 | .32044286E-03 |
| NOINC | 7.5688891 | 9.5673599 |
| ENTAGE | -.18221272 | .13937335 |
| OCCUP | .[illegible]424971 | .45406825 |
| ETH1 | 6.9243327 | 3.3975304 |
| ETH2 | -3.716[illegible]559 | 5.9425556 |
| NOOCCUP | -7.1492478 | 9.5712010 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .60737622 | .85072724E-01 |
| NOFEW | -8.9[illegible]51689 | 4.6381402 |
| SEX | .42795169 | 1.9252713 |
| LANG | 8.2292632 | 11.078357 |
| INCOME | .22365643E-03 | .36593571E-03 |
| NOINC | 1[illegible].633293 | 1[illegible].925625 |
| ENTAGE | -.43752601E-01 | .22767312 |
| OCCUP | .24353874 | .51853172 |
| ETH1 | 6.9564781 | 3.5372826 |
| ETH2 | -8.1102473 | 6.6720155 |
| NOOCCUP | -9.75598[illegible]8 | 10.930012 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .47911155 | .49903161E-01 |
| NOFEW | -1.9844252 | 2.6661286 |
| SEX | 2.4856425 | 1.1357229 |
| LANG | 1[illegible].342712 | 6.3682770 |
| INCOME | .15447400E-03 | .21135430E-03 |
| NOINC | 9.5514185 | 6.2874818 |
| ENTAGE | -.23454965 | .13087837 |
| OCCUP | .13322146 | .29837251 |
| ETH1 | 3.6322171 | 2.0333697 |
| ETH2 | -2.0845344 | 3.8353379 |
| NOOCCUP | -8.9819581 | 6.2830023 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .24355779 | .37728135E-01 |
| NOFEW | -3.9849942 | 2.2568826 |
| SEX | .87130485 | .85382121 |
| LANG | 3.6937727 | 4.9130406 |
| INCOME | .18921714E-03 | .16228553E-03 |
| NOINC | -.2[illegible]166793 | 4.8453070 |
| ENTAGE | -.8[illegible]2176948E-02 | .10097091 |
| OCCUP | .12383830 | .22995895 |
| ETH1 | 3.5539943 | 1.5687176 |
| ETH2 | -3.9239084 | 2.9569119 |
| NOOCCUP | .23[illegible]21325 | 4.8472523 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .158697[illegible]6 | .22315373E-01 |
| NOFEW | -1.5064177 | 1.2160014 |
| SEX | -1.7307441 | .50501672 |
| LANG | 2.7403124 | 2.9159569 |
| INCOME | -.61865313E-05 | .95988369E-04 |
| NOINC | -1.1435659 | 2.8658940 |
| ENTAGE | -.1[illegible]6579786E-01 | .59722106E-01 |
| OCCUP | .76171595E-01 | .13601573 |
| ETH1 | 2.7253893 | .92786241 |
| ETH2 | -2.7531224 | 1.7511322 |
| NOOCCUP | .78601143 | 2.8673446 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .18894320 | .38081565E-01 |
| NOFEW | -1.8292312 | 2.0761511 |
| SEX | .81612382E-01 | .86181964 |
| LANG | -1.6753375 | 4.4596653 |
| INCOME | .94347846E-05 | .16360579E-03 |
| NOINC | 2.1172905 | 4.8906969 |
| ENTAGE | .74108946E-02 | .13191679 |
| OCCUP | .90228036E-01 | .23211316 |
| ETH1 | 1.8341074 | 1.5834130 |
| ETH2 | -2.4057084 | 2.9566315 |
| NOOCCUP | -2.4237054 | 4.8926614 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .45221165E-01 | .12271959E-01 |
| NOFEW | -.11613904 | .66904923 |
| SEX | .48711707 | .27772534 |
| LANG | .79207185 | 1.5980815 |
| INCOME | .78268845E-04 | .52787168E-04 |
| NOINC | 2.3651107 | 1.5760496 |
| ENTAGE | -.18581326E-01 | .32843154E-01 |
| OCCUP | -.18787520E-01 | .74799534E-01 |
| ETH1 | .96889167 | .51020212 |
| ETH2 | -.97749100 | .96245545 |
| NOOCCUP | -2.3716221 | 1.5764823 |

## Table C8-IIEF-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .29752981E-01 | .15479490E-01 |
| NOFEM | -1.0714014 | .84391910 |
| SEX | .77305756E-01 | .35031461 |
| LANG | 1.4465908 | 2.0157732 |
| INCOME | .44605786E-05 | .66584187E-04 |
| NOINC | .09552774 | 1.9879827 |
| ENTAGE | -.28739364E-02 | .41427393E-01 |
| OCCUP | .11027031E-01 | .94349941E-01 |
| ETH1 | 1.2049029 | .64362969 |
| ETH2 | -1.9247789 | 1.2140130 |
| NOOCCUP | -1.0598559 | 1.3887809 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .45727042 | .46752684E-01 |
| NOFEM | -3.5918862 | 2.5468878 |
| SEX | 1.6694879 | 1.0580548 |
| LANG | 6.1331164 | 6.0802371 |
| INCOME | .16642175E-03 | .24110413E-03 |
| NOINC | 5.6449786 | 6.0643017 |
| ENTAGE | -.72589492E-01 | .12512310 |
| OCCUP | .42013454 | .28496500 |
| ETH1 | 3.5474726 | 1.9439539 |
| ETH2 | -1.4624794 | 3.6666820 |
| NOOCCUP | -5.5891331 | 6.0067123 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .31124231 | .32605513E-01 |
| NOFEM | -2.4599779 | 1.7776047 |
| SEX | 1.1654354 | .73789172 |
| LANG | 5.1015492 | 4.2459915 |
| INCOME | .12185056E-03 | .14025085E-03 |
| NOINC | 1.4627058 | 4.1874245 |
| ENTAGE | -.51105266E-01 | .87261362E-01 |
| OCCUP | .27897011 | .19873536 |
| ETH1 | 2.0517059 | 1.3557215 |
| ETH2 | -2.3730102 | 2.5571590 |
| NOOCCUP | -1.4304708 | 4.1891057 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .27790305 | .33713334E-01 |
| NOFEM | -3.6666976 | 1.8380015 |
| SEX | .79469412E-01 | .75296269 |
| LANG | 2.4744074 | 4.3902243 |
| INCOME | .12184294E-03 | .14561608E-03 |
| NOINC | 2.6740388 | 4.3296785 |
| ENTAGE | -.14213445E-01 | .93226197E-01 |
| OCCUP | .18269483 | .20548810 |
| ETH1 | [illegible] | 1.4017041 |
| ETH2 | -3.0374302 | 2.6446423 |
| NOOCCUP | -2.6380518 | 4.3314368 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .29422346 | .31973316E-01 |
| NOFEM | -2.0377776 | 1.6897211 |
| SEX | .72130032E-01 | .71141781 |
| LANG | 4.0235400 | 4.1360438 |
| INCOME | .34779345E-04 | .13331593E-03 |
| NOINC | 3.3123016 | 3.9934109 |
| ENTAGE | .45233742E-01 | .82947214E-01 |
| OCCUP | .22055602E-02 | .18891039 |
| ETH1 | 2.0264741 | 1.2886954 |
| ETH2 | -1.3925030 | 2.4307347 |
| NOOCCUP | -3.0582543 | 3.9819989 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .21124171 | .30666968E-01 |
| NOFEM | -2.5507017 | 1.6719181 |
| SEX | .67642749 | .69432072 |
| LANG | .93129426 | 3.9935199 |
| INCOME | .62392144E-04 | .13191230E-03 |
| NOINC | 4.4508573 | 3.9394933 |
| ENTAGE | -.74797958E-01 | .82073290E-01 |
| OCCUP | .57873435E-01 | .18692012 |
| ETH1 | 1.8343110 | 1.2731176 |
| ETH2 | -1.3102294 | 2.4351244 |
| NOOCCUP | -4.0674448 | 3.9400045 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .11764071 | .13778190E-01 |
| NOFEM | -.99335894 | .85321429 |
| SEX | .35207567 | .35737467 |
| LANG | .77334379 | 2.0544719 |
| INCOME | .32263345E-04 | .67867069E-04 |
| NOINC | [illegible] | 2.0263451 |
| ENTAGE | -.13105943E-01 | .42226822E-01 |
| OCCUP | .33969511E-01 | .96170427E-01 |
| ETH1 | .32249047 | .65604988 |
| ETH2 | -.76351209 | 1.2374490 |
| NOOCCUP | -.23481009 | 2.0271586 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .14583789 | .29789522E-01 |
| NOFEM | -3.0433373 | 1.5799756 |
| SEX | .25677724 | .65505496 |
| LANG | 2.5270605 | 3.7734072 |
| INCOME | .12784878E-03 | .12465814E-03 |
| NOINC | -.72151103 | 3.7218743 |
| ENTAGE | .74725849E-03 | .77559686E-01 |
| OCCUP | .65395310E-01 | .17664087 |
| ETH1 | [illegible] | 1.2049961 |
| ETH2 | -3.1108606 | 2.2720612 |
| NOOCCUP | .43841143 | 3.7233726 |

## Table C9-IIIK-1

## ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT III KINDERGARTEN CHILDREN IN THE EDC MODEL

| | | PHILADELPHIA, PA | | | BURLINGTON, VT | | | LACKAWANNA CO., PA | | | MORGAN COMM SCH,DC | | | PATERSON, NJ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 0.0 | 0.0 | — | 0.0 | 0.0 | — |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | — | 0 | 0 | — |
| BLACK | Percent | 95.2 | 95.2 | 100.0 | 4.8 | 2.8 | 22.2 | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | — | 100.0 | 87.5 | — |
| | Number | 138 | 437 | 15 | 1 | 1 | 12 | 0 | 0 | 0 | 15 | 15 | — | 40 | 21 | — |
| ORIENTAL | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | — |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | — |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | — |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | — |
| PUERTO RICAN | Percent | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | — | 0.0 | 8.3 | — |
| | Number | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | — | 0 | 2 | — |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | — |
| | Number | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | — |
| WHITE | Percent | 4.8 | 1.1 | 0.0 | 95.2 | 97.2 | 77.8 | 100.0 | 100.0 | 93.6 | 0.0 | 0.0 | — | 0.0 | 4.2 | — |
| | Number | 7 | 5 | 0 | 20 | 35 | 42 | 50 | 69 | 73 | 0 | 0 | — | 0 | 1 | — |
| OTHER | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — | 0.0 | 0.0 | — |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | 0 | 0 | — |
| BEST MATCHED SITE | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

## Table C9-IIIK-2

### DISTRIBUTION OF BACKGROUND VARIABLES
### COHORT III KINDERGARTEN CHILDREN
### FOR THE EDC MODEL

| | SPONSOR'S SITES | | | PHILADELPHIA, PA | | | BURLINGTON, VT | | | LACKAWANNA CO., PA | | | MORGAN COMM SCH,DC | | | PATERSON, NJ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE Number | — | — | — | 145 | 459 | 15 | 21 | 36 | 54 | 50 | 69 | 79 | 15 | 15 | — | 40 | 24 | — |
| FALL KINDERGARTEN WRAT Mean Score | 27.5 | 30.2 | — | 28.5 | 26.9 | 28.3 | 27.8 | 30.6 | 25.2 | 36.0 | 38.7 | 36.4 | 22.1 | 28.3 | — | 22.9 | 26.3 | — |
| PERCENT WITH PRESCHOOL | 63 | 37 | — | 66 | 28 | 87 | 14 | 26 | 26 | 47 | 16 | 23 | 93 | 87 | — | 95 | 29 | — |
| Number Responding | — | — | — | 145 | 372 | 15 | 21 | 35 | 54 | 49 | 62 | 78 | 15 | 15 | — | 40 | 24 | — |
| CHILDREN'S ETHNICITY Percent Black | 60 | 57 | — | 95 | 95 | 100 | 5 | 3 | 22 | 0 | 0 | 0 | 100 | 100 | — | 100 | 88 | — |
| Percent White | 40 | 41 | — | 5 | 1 | 0 | 95 | 97 | 78 | 100 | 100 | 94 | 0 | 0 | — | 0 | 4 | — |
| Percent Other | 0 | 2 | — | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | — | 0 | 8 | — |
| MEDIAN FAMILY INCOME | 5216 | 6150 | — | 5630 | 5300 | 4750 | 4799 | 8200 | 5080 | 7300 | 8100 | 8638 | 4000 | 4750 | — | 4350 | 4400 | — |
| Number Responding | — | — | — | 117 | 54 | 15 | 20 | 34 | 53 | 30 | 56 | 77 | 14 | 15 | — | 35 | 24 | — |
| MOTHER'S EDUCATION Percent H.S. Graduates | 46 | 49 | — | 43 | 37 | 43 | 43 | 58 | 52 | 73 | 81 | 76 | 38 | 43 | — | 32 | 25 | — |
| Number Responding | — | — | — | 120 | 54 | 14 | 21 | 33 | 52 | 30 | 58 | 76 | 13 | 14 | — | 34 | 24 | — |
| FEMALE HEADS OF HOUSEHOLD Percent | 36 | 34 | — | 45 | 48 | 47 | 33 | 18 | 6 | 13 | 5 | 10 | 47 | 47 | — | 40 | 50 | — |
| BEST MATCHED SITE | | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

## Table C9-IIIK-3

## TEACHER BACKGROUND CHARACTERISTICS FOR COHORT III-K SITES IN EDC MODEL

| | Philadelphia, PA | | Burlington, VT | | Lackawanna Co., PA | | Morgan Community School, DC | | Paterson, NJ | |
|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| **YEARS OF ELEMENTARY TEACHING EXPERIENCE** | | | | | | | | | | |
| Mean | 9.61 | 7.51 | 8.00 | 7.14 | 4.33 | 8.77 | 5.00 | 17.00 | 5.25 | 15.41 |
| Standard Deviation | 10.28 | 7.20 | 6.92 | 3.93 | 1.15 | 10.02 | 0 | 12.28 | 3.30 | 8.29 |
| N | 9 | 55 | 4 | 7 | 3 | 9 | 2 | 3 | 4 | 6 |
| **YEARS IN SCHOOL** | | | | | | | | | | |
| Mean | 5.16 | 5.57 | 3.50 | 7.00 | 3.66 | 6.40 | 5.00 | 13.66 | 3.75 | 10.08 |
| Standard Deviation | 5.45 | 6.03 | 1.29 | 3.74 | 1.15 | 8.72 | 0 | 15.30 | 0.95 | 7.37 |
| N | 9 | 54 | 4 | 7 | 3 | 10 | 2 | 3 | 4 | 6 |
| **YEARS IN MODEL** | | | | | | | | | | |
| Mean | 2.31 | 1.93 | 3.50 | 0 | 2.00 | 1.00 | 2.25 | 1.00 | 3.75 | 0.75 |
| Standard Deviation | 1.66 | 5.55 | 1.29 | 0 | 1.73 | 0 | 2.47 | 0 | 0.95 | 0.35 |
| N | 8 | 15 | 4 | 1 | 3 | 1 | 2 | 1 | 4 | 2 |
| **TEACHER'S EDUCATION** | | | | | | | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % with B.A. | 22.2 | 32.1 | 50.0 | 14.3 | 0 | 40.0 | 50.0 | 33.3 | 0 | 50.0 |
| % Some Graduate | 44.4 | 53.6 | 25.0 | 42.9 | 33.3 | 30.0 | 0 | 66.7 | 75.0 | 33.3 |
| % M.A. or More | 33.3 | 14.3 | 25.0 | 42.9 | 66.7 | 30.0 | 50.0 | 0 | 25.0 | 16.7 |
| N | 9 | 56 | 4 | 7 | 3 | 10 | 2 | 3 | 4 | 6 |
| **TEACHER'S CERTIFICATION** | | | | | | | | | | |
| % None | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Temporary | 25.0 | 30.9 | 25.0 | 0 | 0 | 30.0 | 0 | 0 | 0 | 0 |
| % Renewable/Permanent | 75.0 | 69.1 | 75.0 | 100.0 | 100.0 | 70.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| N | 8 | 55 | 4 | 7 | 2 | 10 | 2 | 3 | 4 | 5 |
| **TEACHER'S ETHNICITY** | | | | | | | | | | |
| % White | 37.5 | 36.8 | 100.0 | 100.0 | 100.0 | 100.0 | 0 | 0 | 75.0 | 33.3 |
| % Black | 62.5 | 61.4 | 0 | 0 | 0 | 0 | 100.0 | 100.0 | 25.0 | 66.7 |
| % Spanish Surname | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Other | 0 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N | 8 | 57 | 4 | 7 | 3 | 10 | 2 | 3 | 4 | 6 |
| **AGE IN YEARS** | | | | | | | | | | |
| Mean | 32.42 | 33.53 | 32.75 | 33.42 | 25.33 | 38.00 | 26.00 | 42.33 | 31.0 | 41.33 |
| Standard Deviation | 12.01 | 10.91 | 8.61 | 8.86 | 1.15 | 16.73 | 1.41 | 15.37 | 8.44 | 12.07 |
| N | 7 | 54 | 4 | 7 | 3 | 9 | 2 | 3 | 4 | 6 |

## Table C9-IIIK-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1975) FOR THE COHORT III KINDERGARTEN SITES IN THE EDC MODEL

| | SPONSOR'S SITES | | | PHILADELPHIA, PA | | | BURLINGTON, VT | | | LACKAWANNA CO., PA | | | MORGAN COMM SCH,DC | | | PATERSON, NJ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 49.6 | 49.5 | — | 44.5 | 51.5 | 51.8 | 46.9 | 39.9 | 41.3 | 49.0 | 47.3 | 50.0 | 59.7 | 51.8 | — | 47.9 | 56.8 | — |
| Number | 5 | 5 | — | 9 | 57 | 3 | 4 | 7 | 11 | 3 | 10 | 9 | 2 | 3 | — | 4 | 6 | — |
| Local Mean Difference | — | — | — | -7.0 | — | — | 7.0 | — | — | — | — | — | 7.8 | — | — | -8.9 | — | — |
| Best Match Mean Difference | — | — | — | -7.3 | — | — | 5.6 | — | — | — | — | — | 7.8 | — | — | -8.9 | — | — |
| FLEXIBLE CLASSROOM | 52.7 | 48.9 | — | 50.3 | 45.5 | 54.0 | 53.3 | 53.1 | 51.2 | 47.8 | 47.4 | 43.3 | 55.2 | 54.0 | — | 57.0 | 44.7 | — |
| Number | 5 | 5 | — | 9 | 57 | 3 | 4 | 7 | 11 | 3 | 10 | 9 | 2 | 3 | — | 4 | 6 | — |
| Local Mean Difference | 3.8 | — | — | 4.8 | — | — | — | — | — | — | — | — | — | — | — | 12.3 | — | — |
| Best Match Mean Difference | — | — | — | -3.7 | — | — | — | — | — | 4.5 | — | — | — | — | — | 12.3 | — | — |
| INDIVIDUALIZATION | 53.5 | 47.0 | — | 50.0 | 41.5 | 50.0 | 57.7 | 53.1 | 50.1 | 51.5 | 44.2 | 50.5 | 48.4 | 50.0 | — | 60.0 | 46.1 | — |
| Number | 5 | 5 | — | 9 | 57 | 3 | 4 | 7 | 11 | 3 | 10 | 9 | 2 | 3 | — | 4 | 6 | — |
| Local Mean Difference | 6.5 | — | — | 8.4 | — | — | 4.6 | — | — | 7.3 | — | — | — | — | — | 13.9 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 7.6 | — | — | — | — | — | — | — | — | 13.9 | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 52.1 | 48.4 | — | 52.5 | 48.6 | 44.7 | 57.6 | 47.3 | 51.0 | 50.3 | 50.5 | 52.2 | 55.9 | 44.7 | — | 44.1 | 50.7 | — |
| Number | 5 | 5 | — | 9 | 57 | 3 | 4 | 7 | 11 | 3 | 10 | 9 | 2 | 3 | — | 4 | 6 | — |
| Local Mean Difference | 3.7 | — | — | 3.9 | — | — | 10.3 | — | — | — | — | — | 11.2 | — | — | -6.6 | — | — |
| Best Match Mean Difference | — | — | — | 7.9 | — | — | 6.6 | — | — | — | — | — | 11.2 | — | — | -6.6 | — | — |
| SATISFACTION WITH SPONSOR | 55.4 | 48.2 | — | 50.6 | 49.0 | 50.3 | 64.4 | 43.5 | 46.7 | 57.8 | 47.1 | 43.1 | 42.7 | 50.3 | — | 61.5 | 51.0 | — |
| Number | 5 | 5 | — | 9 | 32 | 1 | 4 | 7 | 4 | 3 | 9 | 8 | 2 | 1 | — | 4 | 2 | — |
| Local Mean Difference | 7.2 | — | — | — | — | — | 20.9 | — | — | 10.7 | — | — | -7.5 | — | — | 10.5 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 17.7 | — | — | 14.7 | — | — | -7.5 | — | — | 10.5 | — | — |
| BEST MATCHED SITE | | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN. | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

## Table C9-IIIK-5

STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1975)
FOR THE COHORT III KINDERGARTEN SITES
IN THE EDC MODEL

| | SPONSOR'S SITES | | | PHILADELPHIA, PA | | | BURLINGTON, VT | | | LACKAWANNA CO., PA | | | MORGAN COMM SCH, DC | | | PATERSON, NJ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 49.6 | 50.8 | — | 46.9 | 50.9 | 53.7 | 51.4 | 50.4 | 53.1 | 48.3 | 50.5 | 52.5 | 51.2 | 51.7 | — | 50.3 | 48.6 | — |
| Number | 5 | 5 | — | 34 | 133 | 15 | 21 | 28 | 28 | 29 | 36 | 39 | 15 | 15 | — | 20 | 23 | — |
| Local Mean Difference | — | — | — | -4.0 | — | — | — | — | — | — | — | — | -2.5 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -6.9 | — | — | — | — | — | -4.2 | — | — | — | — | — | — | — | — |
| SCHOOL HELPED CHILD | 49.7 | 48.4 | — | 47.5 | 47.2 | 47.9 | 55.7 | 51.4 | 50.3 | 52.8 | 50.7 | 50.7 | 41.4 | 47.9 | — | 50.9 | 44.8 | — |
| Number | 5 | 5 | — | 34 | 133 | 15 | 21 | 28 | 28 | 29 | 36 | 39 | 15 | 15 | — | 20 | 23 | — |
| Local Mean Difference | — | — | — | — | — | — | 4.3 | — | — | — | — | — | -6.5 | — | — | 6.1 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 5.4 | — | — | — | — | — | — | — | — | — | — | — |
| PAC INVOLVEMENT | 54.1 | 45.3 | — | 54.7 | 45.2 | 50.2 | 54.6 | 45.3 | 41.9 | 53.3 | 42.7 | 45.9 | 55.4 | 50.2 | — | 52.6 | 43.1 | — |
| Number | 5 | 5 | — | 32 | 128 | 14 | 21 | 24 | 24 | 29 | 36 | 36 | 13 | 14 | — | 18 | 22 | — |
| Local Mean Difference | 8.8 | — | — | 9.5 | — | — | 9.3 | — | — | 10.5 | — | — | 5.3 | — | — | 9.6 | — | — |
| Best Match Mean Difference | — | — | — | 4.6 | — | — | 12.7 | — | — | 7.4 | — | — | — | — | — | — | — | — |
| CHILD READS AT HOME | 49.7 | 50.6 | — | 54.2 | 50.3 | 54.9 | 45.5 | 47.6 | 51.1 | 51.5 | 50.0 | 49.8 | 45.5 | 54.9 | — | 51.5 | 50.2 | — |
| Number | 5 | 5 | — | 34 | 133 | 15 | 21 | 28 | 28 | 29 | 36 | 39 | 15 | 15 | — | 20 | 23 | — |
| Local Mean Difference | — | — | — | 3.9 | — | — | — | — | — | — | — | — | -9.4 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -5.6 | — | — | — | — | — | — | — | — | — | — | — |
| CHILD'S PROG IN SCHOOL | 49.1 | 48.1 | — | 45.5 | 47.8 | 47.3 | 51.4 | 48.2 | 48.3 | 50.6 | 55.2 | 52.2 | 45.6 | 47.3 | — | 52.2 | 42.1 | — |
| Number | 5 | 5 | — | 34 | 133 | 15 | 21 | 28 | 28 | 29 | 36 | 39 | 15 | 15 | — | 20 | 23 | — |
| Local Mean Difference | — | — | — | — | — | — | 3.2 | — | — | -4.6 | — | — | — | — | — | 10.1 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 1.1 | — | — | — | — | — | — | — | — | — | — | — |
| CHILD READ TO AT HOME | 51.9 | 51.1 | — | 56.5 | 52.0 | 59.6 | 49.2 | 49.4 | 50.7 | 48.6 | 46.9 | 47.3 | 51.2 | 59.6 | — | 53.8 | 47.6 | — |
| Number | 5 | 5 | — | 34 | 133 | 15 | 21 | 28 | 28 | 29 | 36 | 39 | 15 | 15 | — | 20 | 23 | — |
| Local Mean Difference | — | — | — | 4.6 | — | — | — | — | — | — | — | — | -8.4 | — | — | 6.2 | — | — |
| Best Match Mean Difference | — | — | — | -3.0 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| PARENT VISITS TO SCHOOL | 53.7 | 49.3 | — | 52.0 | 49.6 | 52.6 | 51.5 | 46.5 | 45.1 | 47.6 | 47.4 | 46.1 | 63.1 | 52.6 | — | 54.1 | 50.4 | — |
| Number | 5 | 5 | — | 34 | 133 | 15 | 21 | 28 | 28 | 29 | 36 | 39 | 15 | 15 | — | 20 | 23 | — |
| Local Mean Difference | 4.4 | — | — | — | — | — | 5.0 | — | — | — | — | — | 10.6 | — | — | 3.7 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 6.5 | — | — | — | — | — | — | — | — | — | — | — |
| CHILD'S EMOT ADJUST | 50.2 | 49.8 | — | 51.6 | 49.5 | 54.3 | 50.7 | 47.3 | 48.6 | 50.0 | 48.5 | 46.0 | 46.8 | 54.3 | — | 52.1 | 49.2 | — |
| Number | 5 | 5 | — | 34 | 133 | 15 | 21 | 28 | 28 | 29 | 36 | 39 | 15 | 15 | — | 20 | 23 | — |
| Local Mean Difference | — | — | — | — | — | — | 3.4 | — | — | — | — | — | -7.5 | — | — | 3.0 | — | — |
| Best Match Mean Difference | — | — | — | -2.7 | — | — | — | — | — | 4.0 | — | — | — | — | — | — | — | — |
| SCH HELPED WITH CHILD | 49.6 | 48.3 | — | 50.7 | 48.8 | 51.4 | 55.7 | 46.4 | 43.5 | 48.8 | 48.2 | 46.1 | 42.0 | 51.4 | — | 50.9 | 46.5 | — |
| Number | 5 | 5 | — | 34 | 133 | 15 | 21 | 28 | 28 | 29 | 36 | 38 | 15 | 15 | — | 20 | 23 | — |
| Local Mean Difference | — | — | — | — | — | — | 9.3 | — | — | — | — | — | -9.5 | — | — | 4.4 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 12.2 | — | — | 2.7 | — | — | — | — | — | — | — | — |
| SCHOOL'S RECEPTIVITY | 49.9 | 47.1 | — | 48.2 | 47.1 | 42.9 | 54.7 | 46.7 | 47.5 | 51.9 | 51.0 | 53.3 | 45.7 | 42.9 | — | 49.3 | 47.7 | — |
| Number | 5 | 5 | — | 34 | 132 | 15 | 21 | 28 | 28 | 29 | 35 | 37 | 15 | 15 | — | 20 | 23 | — |
| Local Mean Difference | 2.9 | — | — | — | — | — | 8.0 | — | — | — | — | — | 2.8 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 5.3 | — | — | 7.2 | — | — | — | — | — | — | — | — | — | — | — |
| PARENT LOCUS | 48.7 | 50.6 | — | 44.6 | 50.7 | 53.3 | 49.3 | 50.0 | 48.2 | 48.6 | 47.8 | 45.1 | 52.3 | 53.3 | — | 48.6 | 51.3 | — |
| Number | 5 | 5 | — | 34 | 132 | 15 | 21 | 28 | 28 | 29 | 35 | 39 | 15 | 15 | — | 20 | 23 | — |
| Local Mean Difference | — | — | — | -6.1 | — | — | — | — | — | — | — | — | — | — | — | -2.7 | — | — |
| Best Match Mean Difference | — | — | — | -8.7 | — | — | — | — | — | 3.5 | — | — | — | — | — | — | — | — |
| SCH HELPED PERSONALLY | 50.4 | 49.5 | — | 48.4 | 49.1 | 54.0 | 51.1 | 48.8 | 44.2 | 47.8 | 48.3 | 47.5 | 50.7 | 54.0 | — | 54.2 | 47.3 | — |
| Number | 5 | 5 | — | 34 | 133 | 15 | 21 | 28 | 28 | 29 | 36 | 39 | 15 | 15 | — | 20 | 23 | — |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | -3.3 | — | — | 6.9 | — | — |
| Best Match Mean Difference | — | — | — | -5.6 | — | — | 6.8 | — | — | — | — | — | — | — | — | — | — | — |
| PARENT-CHILD INTERACTION | 49.6 | 49.7 | — | 53.9 | 51.6 | 53.1 | 45.6 | 44.2 | 48.0 | 53.1 | 51.7 | 48.7 | 45.8 | 53.1 | — | 49.6 | 47.7 | — |
| Number | 5 | 5 | — | 34 | 133 | 15 | 21 | 28 | 28 | 29 | 36 | 39 | 15 | 15 | — | 20 | 23 | — |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | -7.2 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | 4.4 | — | — | — | — | — | — | — | — |
| BEST MATCHED SITE | | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL. | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

## Table C9-IIIK-6

## PROPORTION OF ATTRITION AND DESCRIPTIVE INFORMATION FOR EDC MODEL

| | | Philadelphia, PA | | Burlington, VT | | Lackawanna, Co., PA | | Morgan Comm. Sch., DC | | Paterson, NJ | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| NUMBER | | | | | | | | | | | |
| Total Registration | N | 315 | 1686 | 85 | 103 | 160 | 139 | 80 | 63 | 103 | 90 |
| Children Retained (Analytic Sample) | N | 145 | 459 | 21 | 36 | 50 | 69 | 15 | 15 | 40 | 24 |
| Children Not Retained (Program and Sample Attrition) | N | 170 | 1227 | 64 | 67 | 110 | 70 | 65 | 48 | 63 | 66 |
| | %* | 54 | 73 | 75 | 65 | 69 | 50 | 81 | 76 | 61 | 73 |
| Children Not Retained (Sample Attrition) | N | 19 | 252 | 14 | 3 | 13 | 16 | 8 | 2 | 11 | 6 |
| | %* | 6 | 15 | 16 | 3 | 8 | 12 | 10 | 3 | 11 | 7 |
| WRAT | | | | | | | | | | | |
| Total Registration | Mean | 28.8 | 26.5 | 23.5 | 27.5 | 33.3 | 35.6 | 20.5 | 25.0 | 23.4 | 21.3 |
| | Standard Deviation | 12.5 | 12.1 | 12.4 | 13.0 | 12.9 | 13.0 | 9.8 | 12.3 | 12.1 | 9.3 |
| | Number | 273 | 1439 | 76 | 89 | 150 | 134 | 70 | 58 | 87 | 70 |
| Children Retained (Analytic Sample) | Mean | 28.5 | 26.9 | 27.8 | 30.6 | 36.0 | 38.7 | 22.1 | 28.3 | 22.9 | 26.3 |
| | Standard Deviation | 11.5 | 11.4 | 11.1 | 12.2 | 11.6 | 13.4 | 7.7 | 12.1 | 11.8 | 11.0 |
| | Number | 131 | 438 | 20 | 36 | 50 | 69 | 15 | 15 | 33 | 21 |
| Children Not Retained (Program and Sample Attrition) | Mean | 29.0 | 26.3 | 22.0 | 25.5 | 31.9 | 32.2 | 20.1 | 23.8 | 23.7 | 19.1 |
| | Standard Deviation | 13.5 | 12.3 | 12.6 | 13.3 | 13.3 | 11.9 | 10.3 | 12.3 | 12.4 | 7.7 |
| | Number | 142 | 1001 | 56 | 53 | 100 | 65 | 55 | 43 | 54 | 49 |
| Children Not Retained (Sample Attrition) | Mean | 22.0 | 27.5 | 13.4 | 21.3 | 32.6 | 36.6 | 17.3 | 20.5 | 26.3 | 18.3 |
| | Standard Deviation | 13.4 | 12.2 | 6.7 | 2.0 | 9.9 | 9.6 | 7.4 | 6.3 | 12.9 | 12.2 |
| | Number | 19 | 244 | 14 | 3 | 13 | 16 | 8 | 2 | 11 | 6 |
| INCOME | | | | | | | | | | | |
| Total Registration | Mean | 5980 | 5605 | 5645 | 6916 | 6775 | 7504 | 4941 | 5130 | 4565 | 4906 |
| | Standard Deviation | 2780 | 2648 | 2609 | 2665 | 2488 | 2278 | 2197 | 2819 | 2196 | 2327 |
| | Number | 237 | 232 | 76 | 91 | 98 | 103 | 59 | 56 | 88 | 69 |
| Children Retained (Analytic Sample) | Mean | 5818 | 5407 | 5505 | 7747 | 7053 | 7477 | 5221 | 4461 | 4609 | 5000 |
| | Standard Deviation | 2723 | 2789 | 2861 | 2360 | 2401 | 2324 | 2861 | 2318 | 2285 | 2741 |
| | Number | 117 | 54 | 20 | 34 | 30 | 56 | 14 | 15 | 35 | 24 |
| Children Not Retained (Program and Sample Attrition) | Mean | 6137 | 5665 | 5695 | 6421 | 6653 | 7536 | 4853 | 5375 | 4536 | 4856 |
| | Standard Deviation | 2838 | 2608 | 2539 | 2732 | 2533 | 2246 | 1978 | 2969 | 2157 | 2106 |
| | Number | 120 | 177 | 56 | 57 | 68 | 47 | 45 | 41 | 53 | 45 |
| Children Not Retained (Sample Attrition) | Mean | 5190 | 5855 | 4371 | 7899 | 5488 | 7355 | 5614 | 5700 | 4672 | 4583 |
| | Standard Deviation | 2432 | 2533 | 1384 | 2593 | 2792 | 2266 | 2114 | 0 | 2429 | 1598 |
| | Number | 10 | 54 | 14 | 3 | 9 | 9 | 7 | 1 | 11 | 6 |

*Percent of Total Registration.

## Table C9-IIIK-7

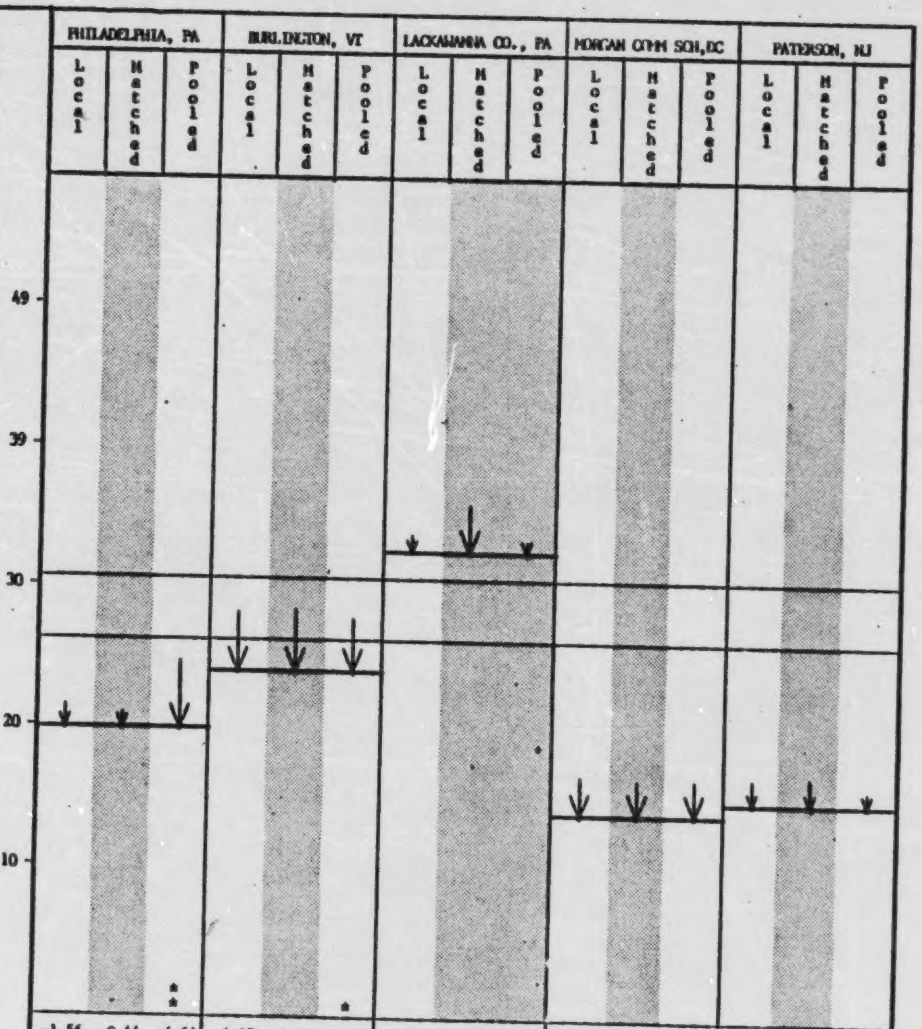
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT WORD KNOWLEDGE
FOR COHORT III KINDERGARTEN SITES
IN THE EDC MODEL

KEY

- FT Favoring: ↑
- NFT Favoring: ↓
- Material Difference: ⋁ ⋀
- S.D. - 9.85
- .25 S.D. - 2.46
- P < .05 : *
- P < .01 : **

National Mean 30.5

Overall NFT Mean 26.3



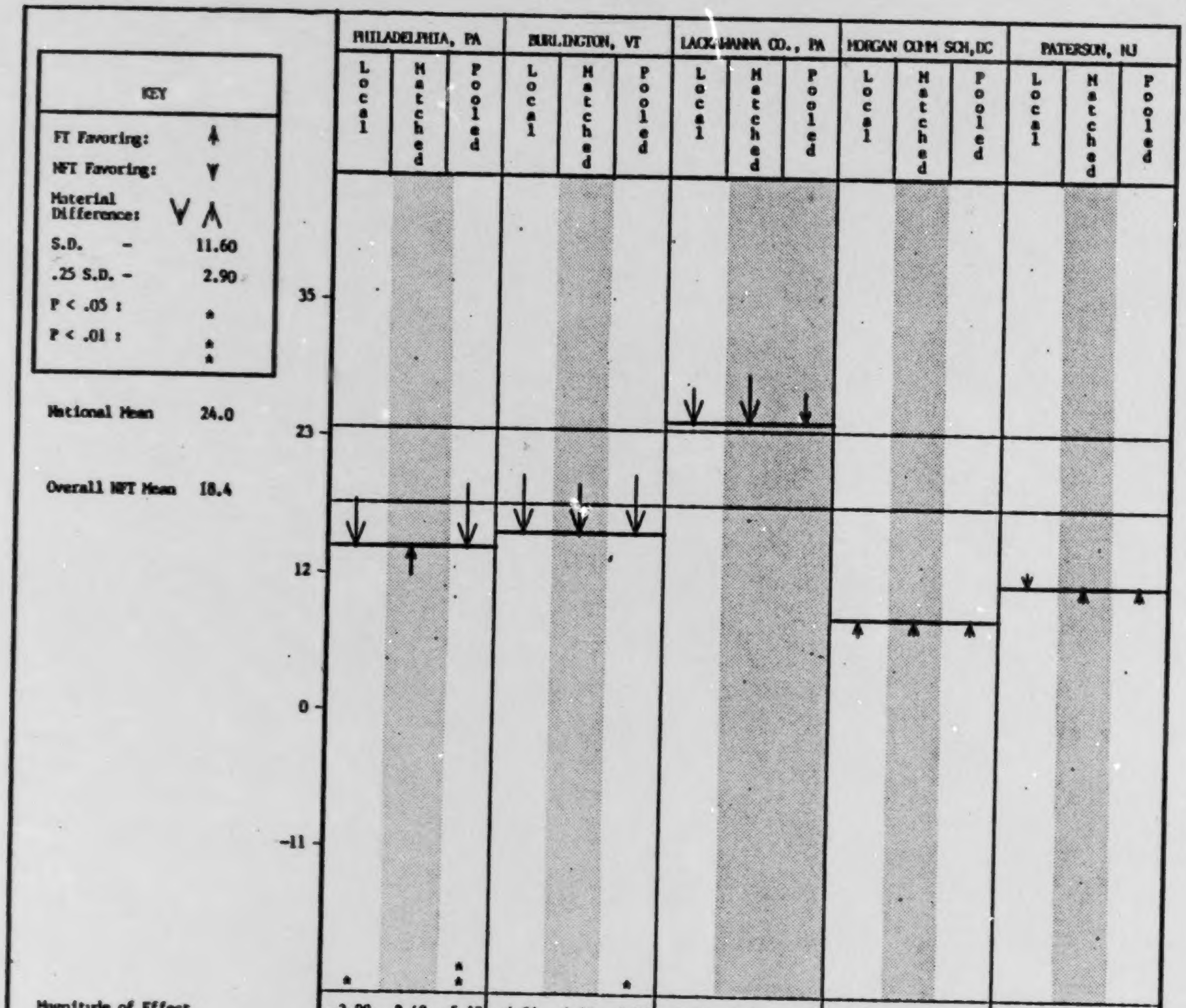
| | PHILADELPHIA, PA Local | Matched | Pooled | BURLINGTON, VT Local | Matched | Pooled | LACKAWANNA CO., PA Local | Matched | Pooled | MORGAN COMM SCH,DC Local | Matched | Pooled | PATERSON, NJ Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -1.56 | -0.44 | -4.61 | -4.17 | -4.46 | -3.90 | -1.25 | -3.39 | -0.55 | -2.81 | -2.55 | -2.48 | -1.72 | -1.88 | -0.97 |
| Standard Error | 1.54 | 2.55 | 0.76 | 3.53 | 2.45 | 1.94 | 2.39 | 2.07 | 1.23 | 4.66 | 2.95 | 2.39 | 3.32 | 2.41 | 1.15 |
| FT Mean | 19.84 | | | 23.76 | | | 32.24 | | | 13.93 | | | 14.93 | | |
| No. of FT Children | 145 | | | 21 | | | 50 | | | 15 | | | 40 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

543

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C9-IIIK-8

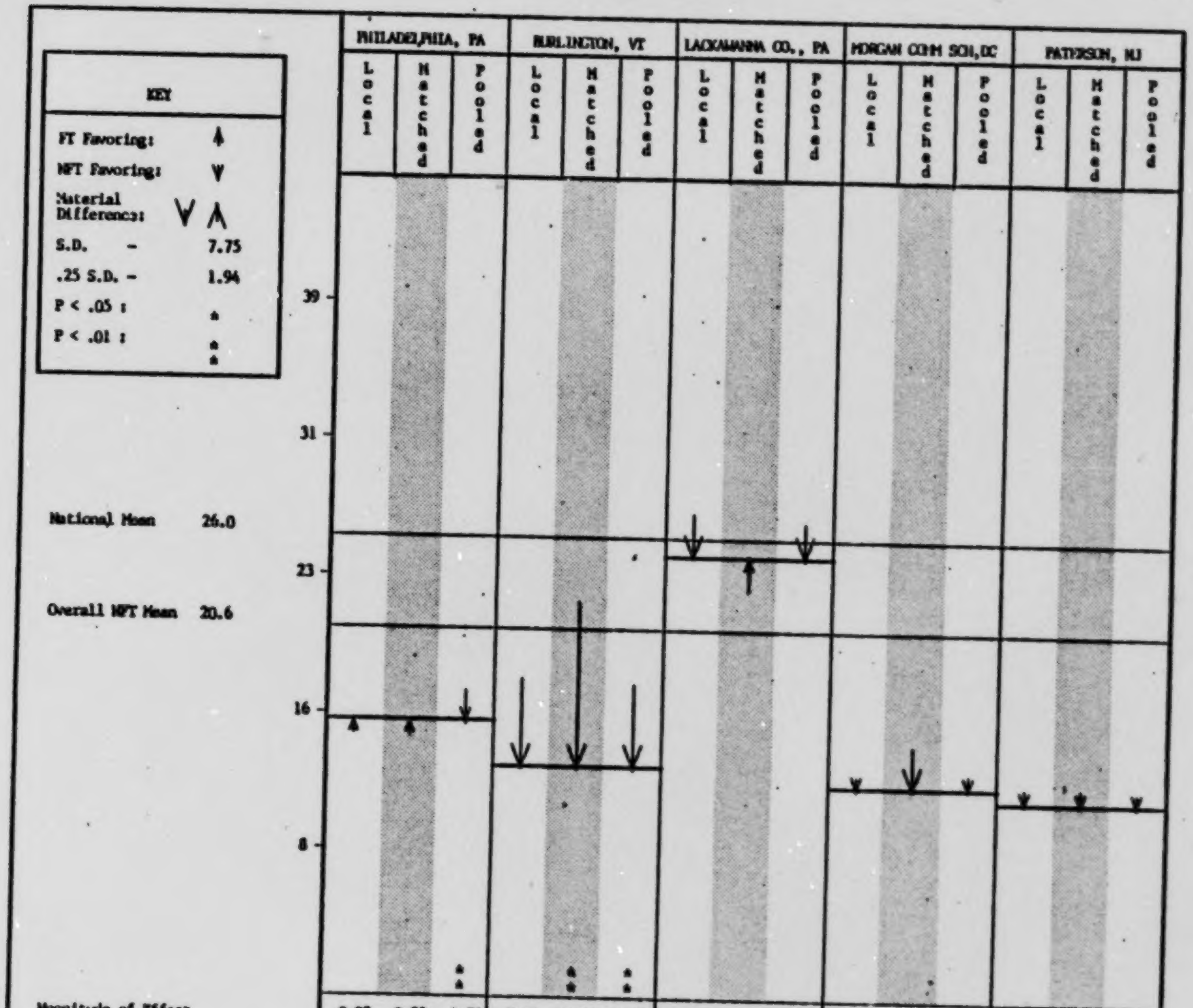
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT SPELLING FOR COHORT III KINDERGARTEN SITES IN THE EDC MODEL



| | PHILADELPHIA, PA Local | Matched | Pooled | BURLINGTON, VT Local | Matched | Pooled | LACKAWANNA CO., PA Local | Matched | Pooled | MORGAN COMM SCH,DC Local | Matched | Pooled | PATERSON, NJ Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -3.88 | 2.48 | -5.17 | -4.94 | -4.11 | -4.96 | -3.07 | -4.07 | -2.52 | 0.21 | 0.23 | 0.47 | -0.34 | 1.20 | 0.65 |
| Standard Error | 1.93 | 3.16 | 0.90 | 4.44 | 3.07 | 2.41 | 3.01 | 2.37 | 1.46 | 5.87 | 3.85 | 2.89 | 4.18 | 3.06 | 1.36 |
| FT Mean | 14.16 | | | 15.38 | | | 24.80 | | | 8.20 | | | 11.38 | | |
| No. of FT Children | 145 | | | 21 | | | 50 | | | 15 | | | 40 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Okaloosa Co., FL. | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

## Table C9-IIIK-9

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT LANGUAGE
FOR COHORT III KINDERGARTEN SITES
IN THE EDC MODEL

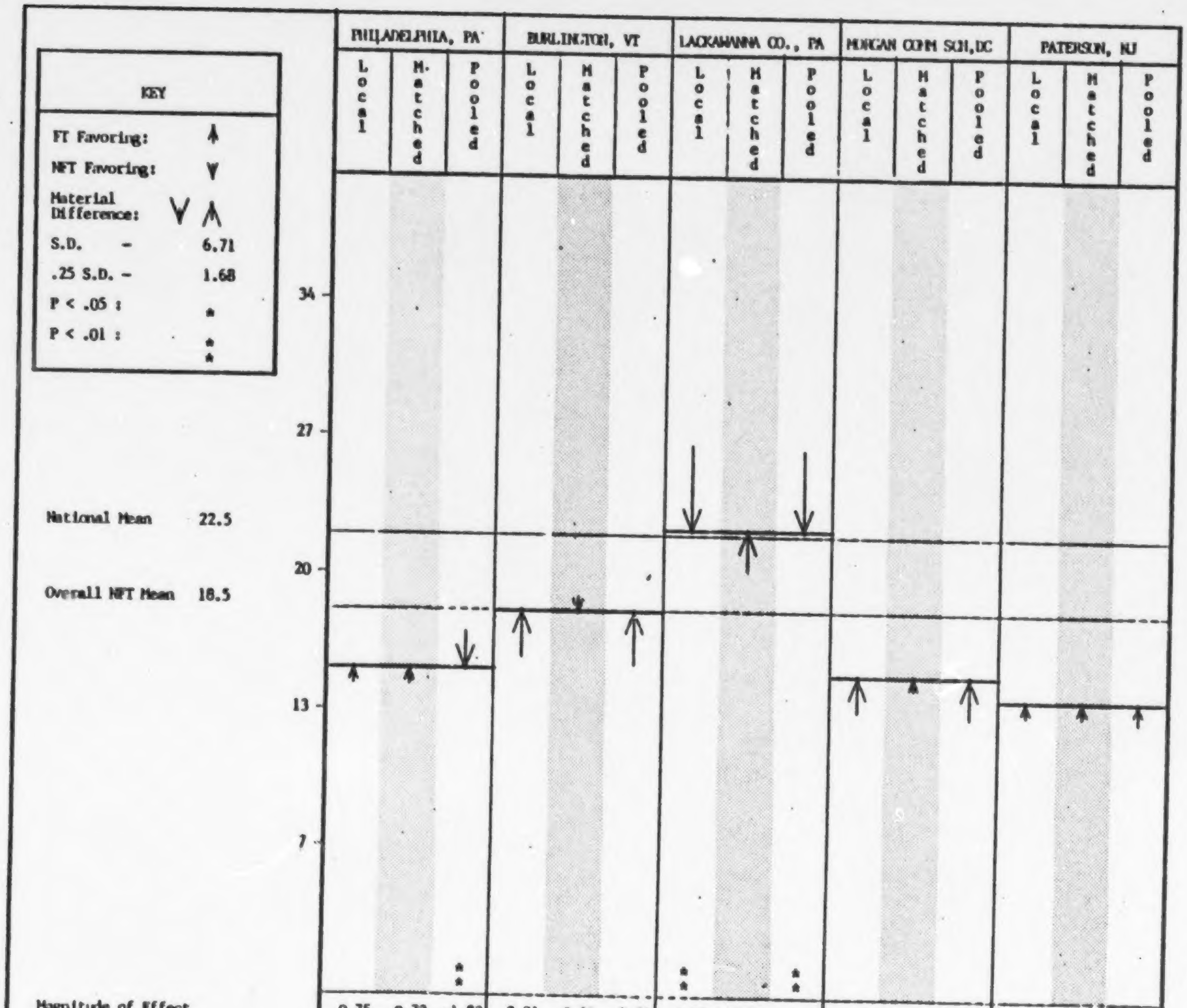


| | PHILADELPHIA, PA | | | BURLINGTON, VT | | | LACKAWANNA CO., PA | | | MORGAN COMM SCH,DC | | | PATERSON, NJ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.02 | 0.89 | -1.74 | -5.01 | -9.29 | -4.75 | -2.45 | 1.76 | -2.06 | -0.74 | -2.37 | -0.71 | -0.35 | -0.55 | -0.03 |
| Standard Error | 1.21 | 2.00 | 0.57 | 2.77 | 1.78 | 0.92 | 1.88 | 2.04 | 1.27 | 3.67 | 2.14 | 1.49 | 2.61 | 1.60 | 0.90 |
| FT Mean | 15.32 | | | 12.71 | | | 24.56 | | | 11.73 | | | 11.00 | | |
| No. of FT Children | 145 | | | 21 | | | 50 | | | 15 | | | 40 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C9-IIIK-10

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT III KINDERGARTEN SITES IN THE EDC MODEL

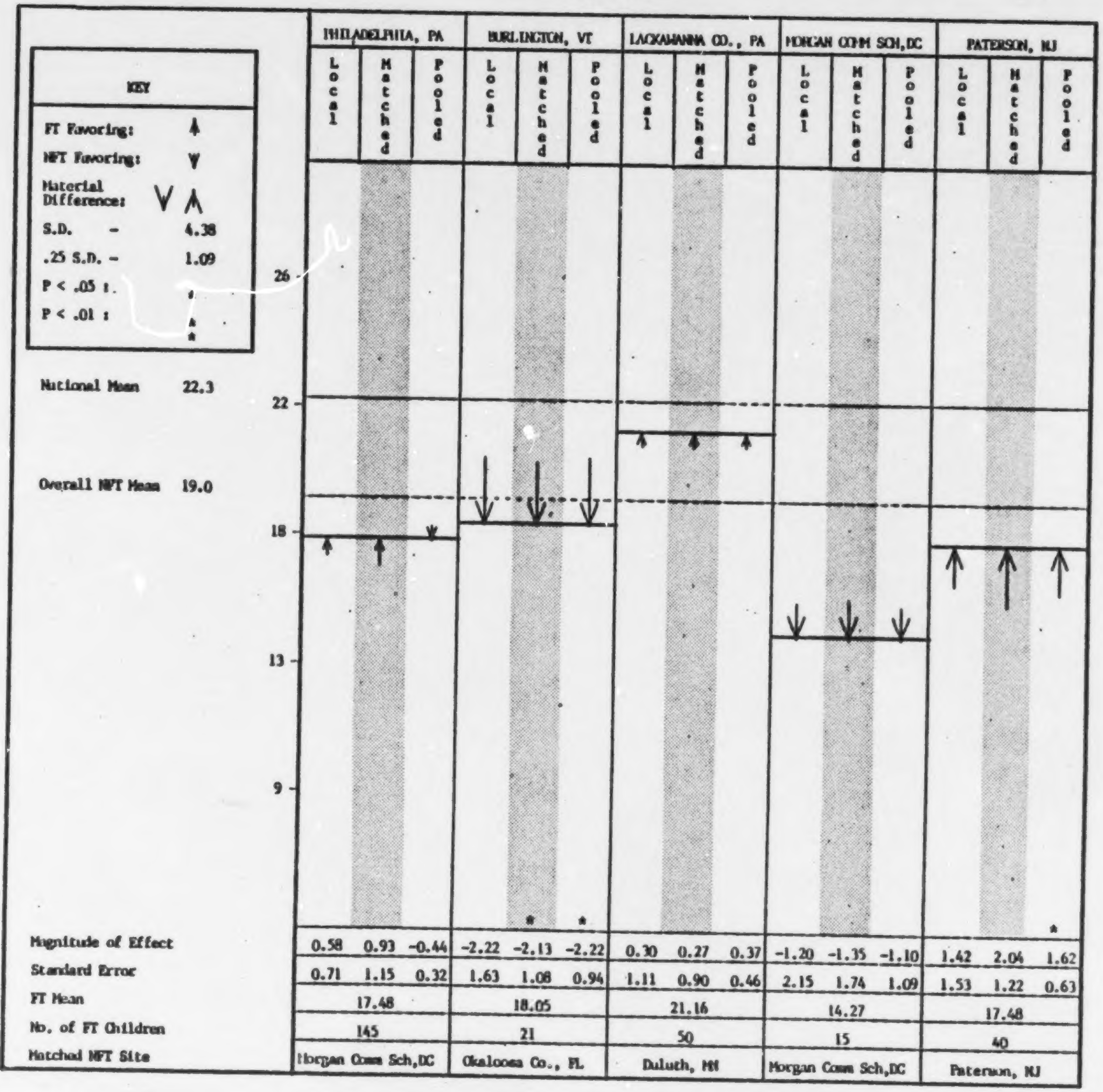


| | PHILADELPHIA, PA | | | BURLINGTON, VT | | | LACKAWANNA CO., PA | | | MORGAN COMM SCH,DC | | | PATERSON, NJ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.75 | 0.72 | -1.83 | 2.31 | -0.10 | 2.64 | -4.18 | 2.09 | -3.91 | 1.77 | 0.74 | 2.01 | 0.20 | 0.75 | 0.98 |
| Standard Error | 1.02 | 1.68 | 0.47 | 2.34 | 1.78 | 1.65 | 1.59 | 1.46 | 0.85 | 3.10 | 1.82 | 1.25 | 2.20 | 1.14 | 0.71 |
| FT Mean | 15.61 | | | 18.48 | | | 22.48 | | | 15.40 | | | 14.23 | | |
| No. of FT Children | 145 | | | 21 | | | 50 | | | 15 | | | 40 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

1112

## Table C9-IIIK-11

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE RAVEN S PROGRESSIVE MATRICES
FOR COHORT III KINDERGARTEN SITES
IN THE FDC MODEL



| | PHILADELPHIA, PA | | | BURLINGTON, VT | | | LACKAWANNA CO., PA | | | MORGAN COMM SCH,DC | | | PATERSON, NJ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.58 | 0.93 | -0.44 | -2.22 | -2.13 | -2.22 | 0.30 | 0.27 | 0.37 | -1.20 | -1.35 | -1.10 | 1.42 | 2.04 | 1.62 |
| Standard Error | 0.71 | 1.15 | 0.32 | 1.63 | 1.08 | 0.94 | 1.11 | 0.90 | 0.46 | 2.15 | 1.74 | 1.09 | 1.53 | 1.22 | 0.63 |
| FT Mean | 17.48 | | | 18.05 | | | 21.16 | | | 14.27 | | | 17.48 | | |
| No. of FT Children | 145 | | | 21 | | | 50 | | | 15 | | | 40 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

547

1113

COHORT III-K STUDY
Non-Preschool Adjusted

# Table C9-IIIK-12

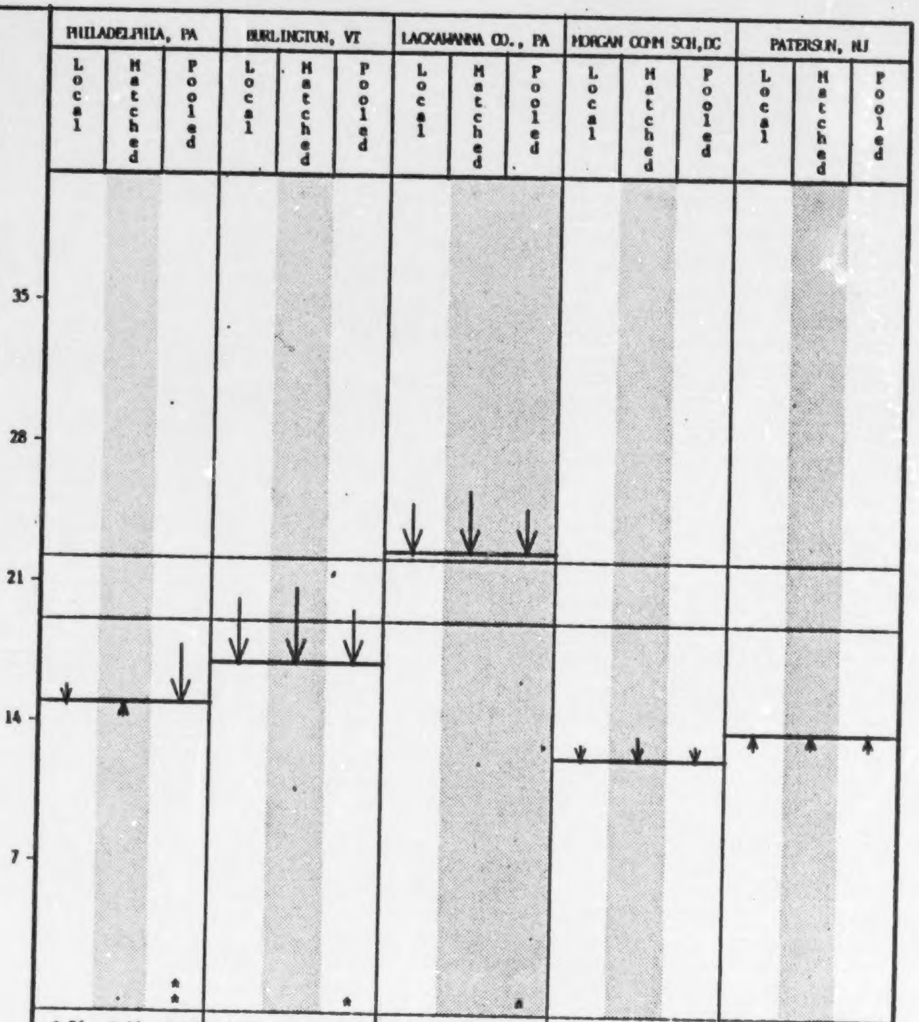
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT READING FOR COHORT III KINDERGARTEN SITES IN THE FIC MODEL

KEY

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ⇓ ⇑
S.D. - 7.07
.25 S.D. - 1.77
P < .05 : *
P < .01 : **

National Mean 22.5

Overall NFT Mean 19.9



| | PHILADELPHIA, PA | | | BURLINGTON, VT | | | LACKAWANNA CO., PA | | | MORGAN COMM SCH,DC | | | PATERSON, NJ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.96 | 0.16 | -3.02 | -3.27 | -3.82 | -2.84 | -2.49 | -3.07 | -2.16 | -0.16 | -1.19 | -0.10 | 0.21 | 0.41 | 0.73 |
| Standard Error | 1.04 | 1.56 | 0.46 | 2.38 | 2.05 | 1.30 | 1.61 | 1.61 | 0.92 | 3.14 | 1.74 | 1.25 | 2.24 | 1.44 | 0.72 |
| FT Mean | 15.25 | | | 17.29 | | | 23.00 | | | 12.67 | | | 14.03 | | |
| No. of FT Children | 145 | | | 21 | | | 50 | | | 15 | | | 40 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

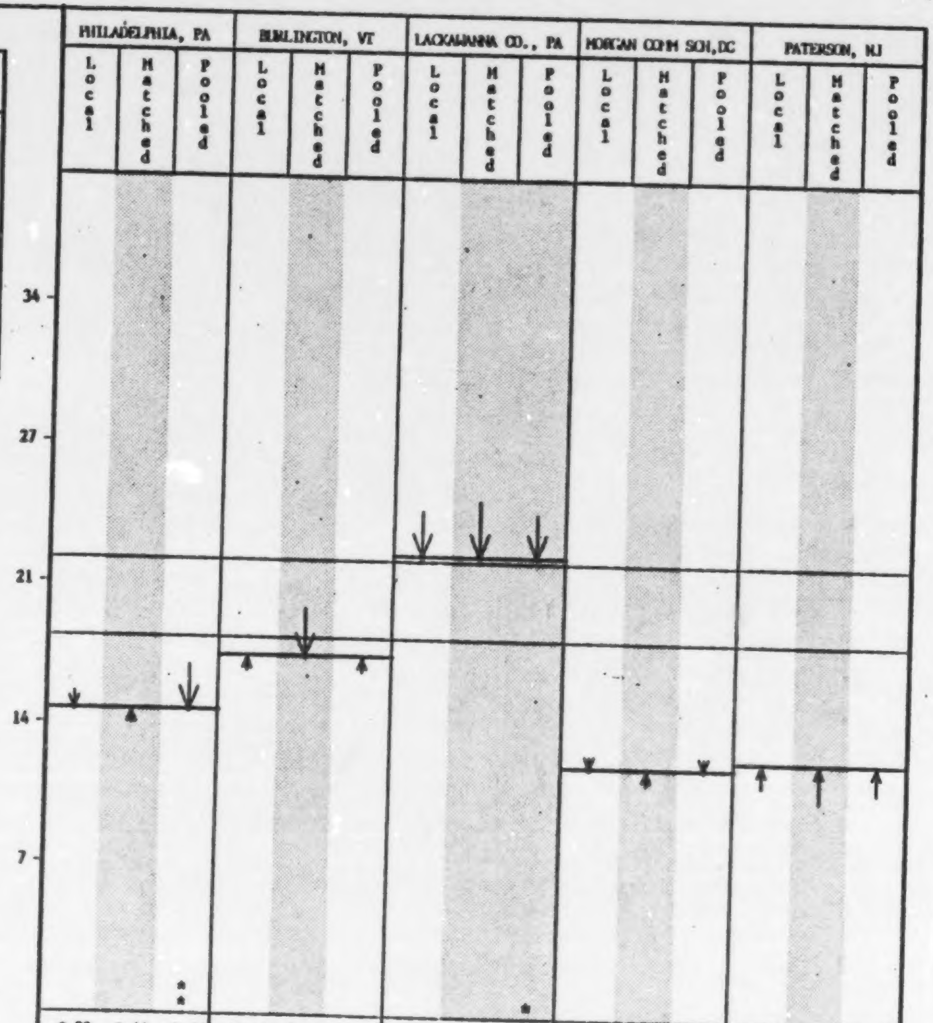
## Table C9-IIIK-13

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT MATHEMATICS CONCEPTS
FOR COHORT III KINDERGARTEN SITES
IN THE EDC MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. - | 6.87 |
| .25 S.D. - | 1.72 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.0

Overall NFT Mean 18.0

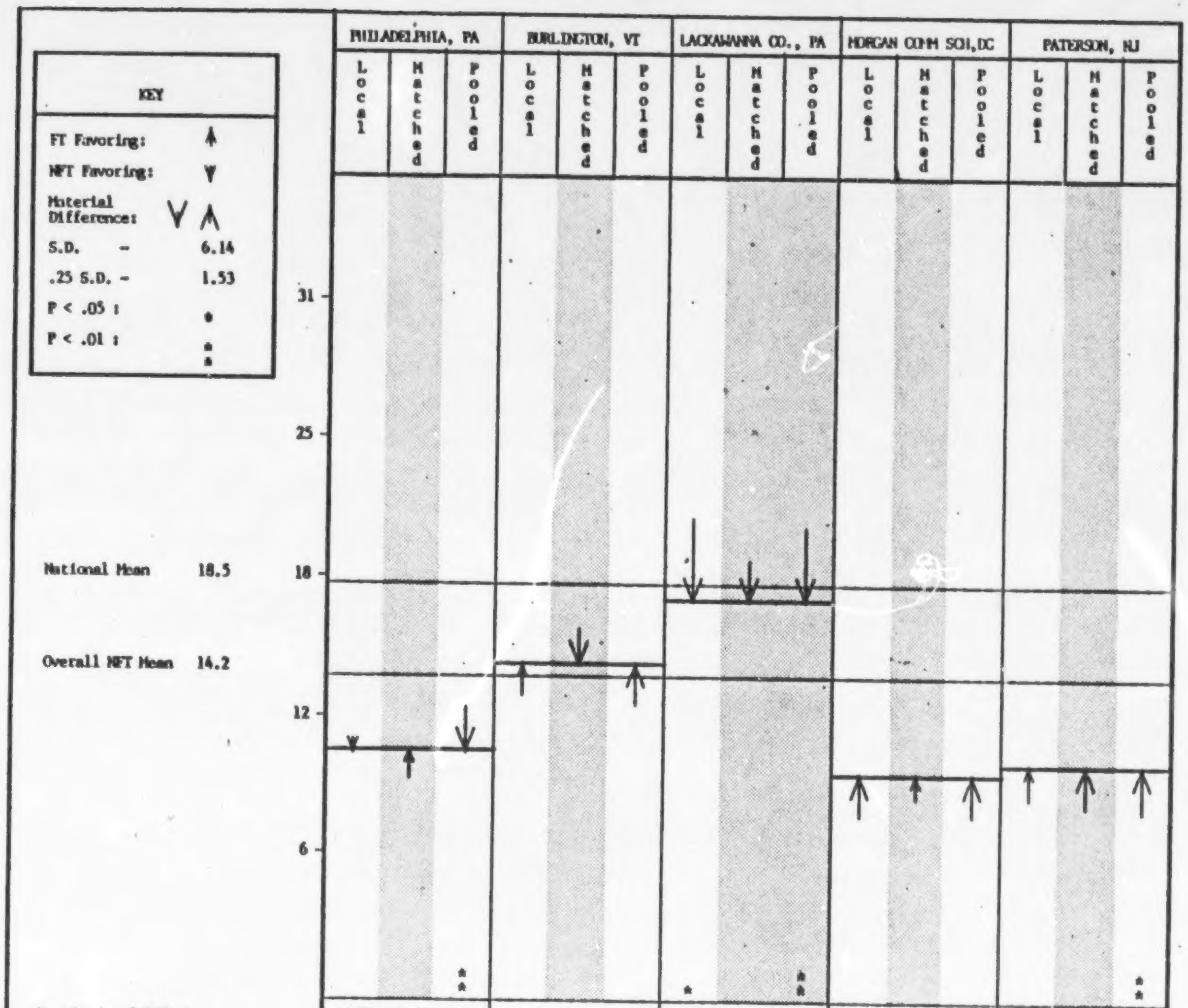


| | PHILADELPHIA, PA | | | BURLINGTON, VT | | | LACKAWANNA CO., PA | | | MORGAN COMM SCH,DC | | | PATERSON, NJ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.83 | 0.44 | -2.25 | 0.28 | -2.41 | 0.62 | -2.38 | -2.85 | -2.16 | -0.05 | 0.32 | -0.03 | 1.07 | 1.68 | 1.38 |
| Standard Error | 1.11 | 1.74 | 0.49 | 2.55 | 1.79 | 1.66 | 1.73 | 1.61 | 1.03 | 3.37 | 2.41 | 1.70 | 2.40 | 1.43 | 0.77 |
| FT Mean | 14.57 | | | 17.29 | | | 22.16 | | | 12.00 | | | 12.35 | | |
| No. of FT Children | 145 | | | 21 | | | 50 | | | 15 | | | 40 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C9-IIIK-14

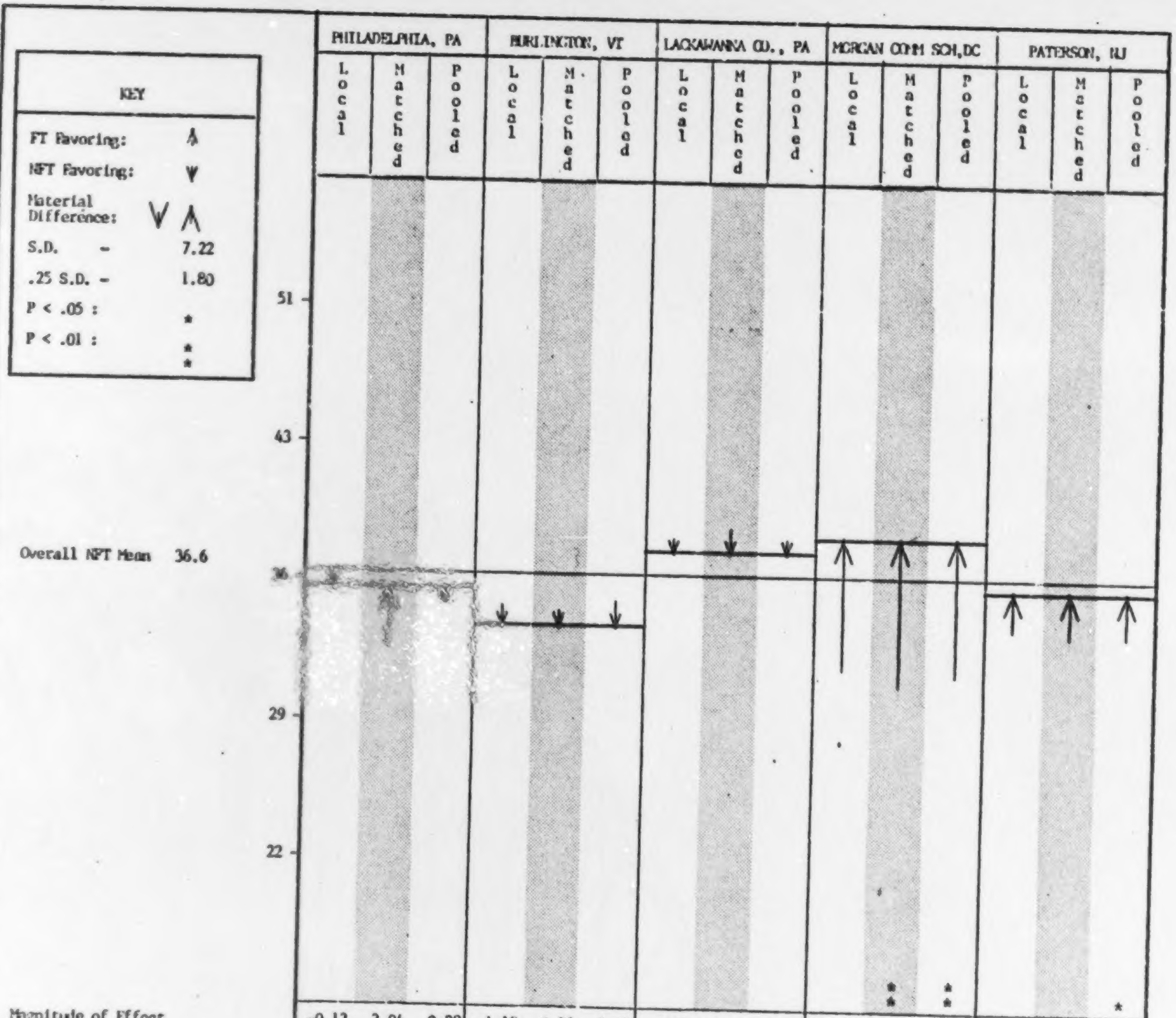
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT III KINDERGARTEN SITES IN THE EDC MODEL



| | PHILADELPHIA, PA | | | BURLINGTON, VT | | | LACKAWANNA CO., PA | | | MORGAN COMM SCH,DC | | | PATERSON, NJ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.53 | 1.18 | -2.05 | 1.44 | -1.55 | 1.87 | -3.60 | -1.68 | -3.16 | 1.73 | 1.02 | 1.80 | 1.49 | 1.74 | 1.98 |
| Standard Error | 0.93 | 1.41 | 0.41 | 2.13 | 1.61 | 1.35 | 1.45 | 1.56 | 0.86 | 2.82 | 1.59 | 1.46 | 2.01 | 1.27 | 0.71 |
| FT Mean | 10.82 | | | 14.76 | | | 17.58 | | | 9.80 | | | 10.25 | | |
| No. of FT Children | 145 | | | 21 | | | 50 | | | 15 | | | 40 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

# Table C9-IIIK-15

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE COOPERSMITH SELF-ESTEEM INVENTORY
FOR COHORT III KINDERGARTEN SITES
IN THE EDC MODEL



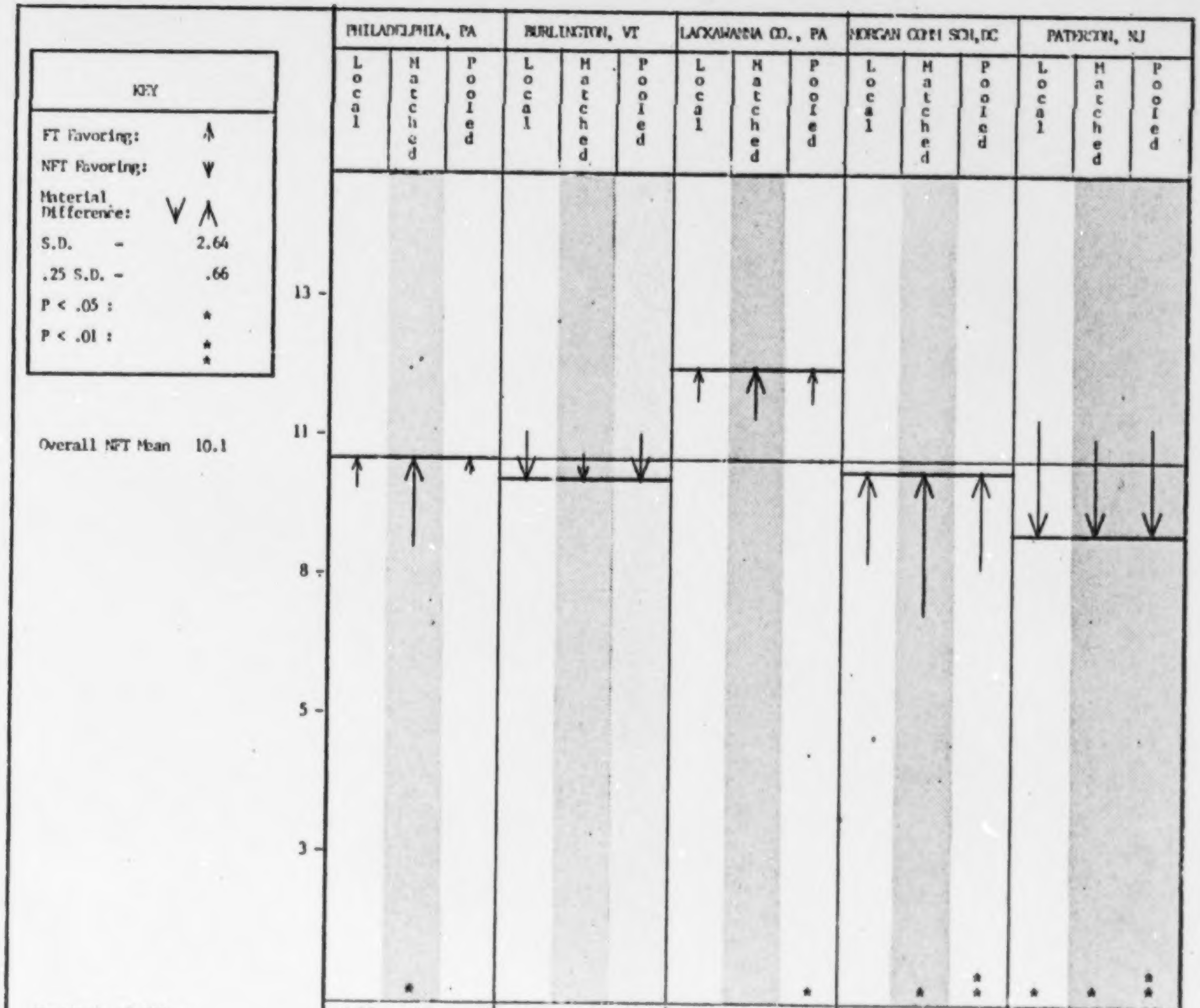
| | PHILADELPHIA, PA | | | BURLINGTON, VT | | | LACKAWANNA CO., PA | | | MORGAN COMM SCH,DC | | | PATERSON, NJ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | | | | | | | | | | ** | ** | | | * |
| Magnitude of Effect | -0.12 | 3.04 | 0.28 | -1.18 | -0.82 | -1.41 | -0.43 | -1.30 | -0.45 | 6.91 | 7.70 | 7.07 | 1.95 | 2.24 | 2.25 |
| Standard Error | 1.25 | 2.07 | 0.56 | 2.86 | 2.17 | 1.48 | 1.94 | 1.90 | 1.09 | 3.79 | 2.81 | 1.63 | 2.69 | 2.22 | 1.14 |
| FT Mean | 35.92 | | | 33.95 | | | 37.94 | | | 38.73 | | | 35.95 | | |
| No. of FT Children | 145 | | | 21 | | | 50 | | | 15 | | | 40 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C9-IIIK-16

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE
FOR COHORT III KINDERGARTEN SITES
IN THE EDC MODEL

COHORT III-K STUDY
Non-Preschool Adjusted



| | PHILADELPHIA, PA | | | BURLINGTON, VT | | | LACKAWANNA CO., PA | | | MORGAN COMM SCH, DC | | | PATERSON, NJ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | * | | | | | | | * | | * | ** | * | * | ** |
| Magnitude of Effect | 0.52 | 1.67 | 0.17 | -0.93 | -0.53 | -0.89 | 0.56 | 0.92 | 0.65 | 1.68 | 2.69 | 1.82 | -2.21 | -1.80 | -2.02 |
| Standard Error | 0.48 | 0.80 | 0.23 | 1.11 | 0.69 | 0.61 | 0.75 | 0.62 | 0.33 | 1.46 | 1.08 | 0.66 | 1.04 | 0.76 | 0.38 |
| FT Mean | 10.17 | | | 9.76 | | | 11.88 | | | 9.93 | | | 8.75 | | |
| No. of FT Children | 145 | | | 21 | | | 50 | | | 15 | | | 40 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

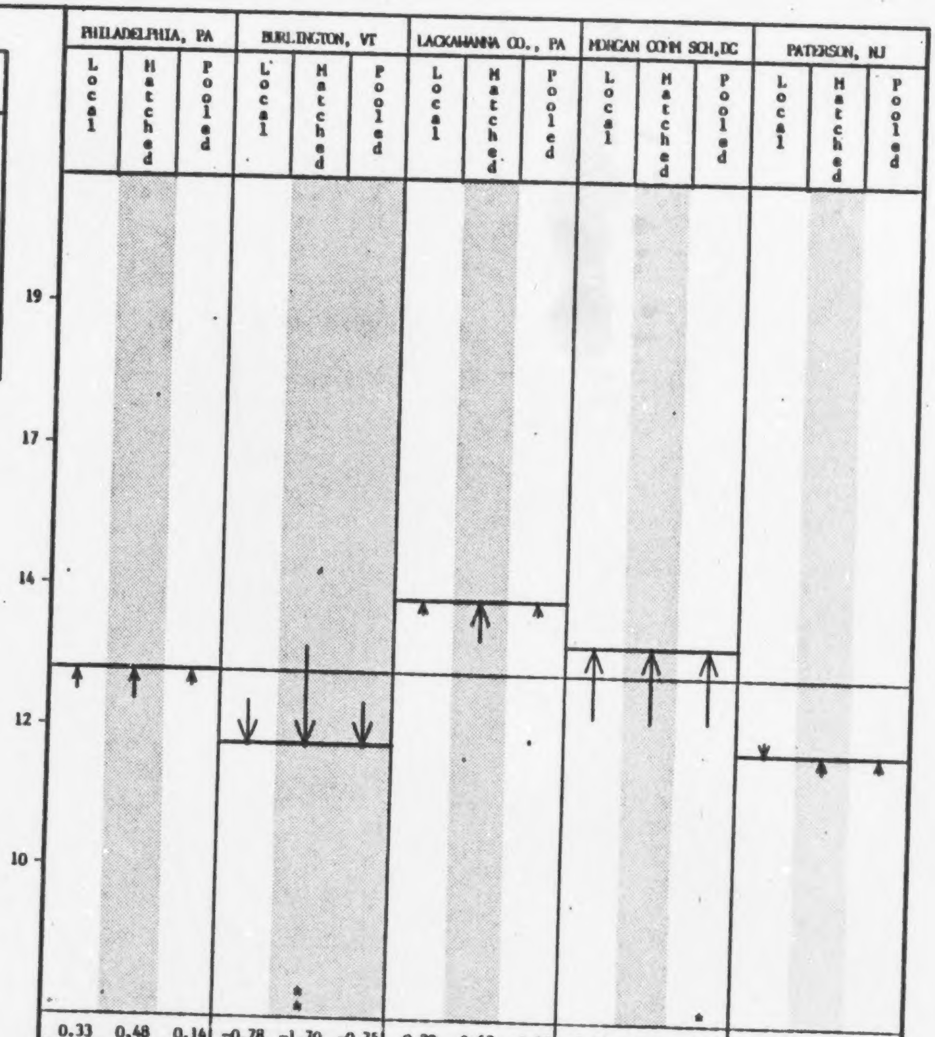
# Table C9-IIIK-17

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE
FOR COHORT III KINDERGARTEN SITES
IN THE EDC MODEL

KEY

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. - | 2.39 |
| .25 S.D. - | .60 |
| P < .05 : | * |
| P < .01 : | ** |

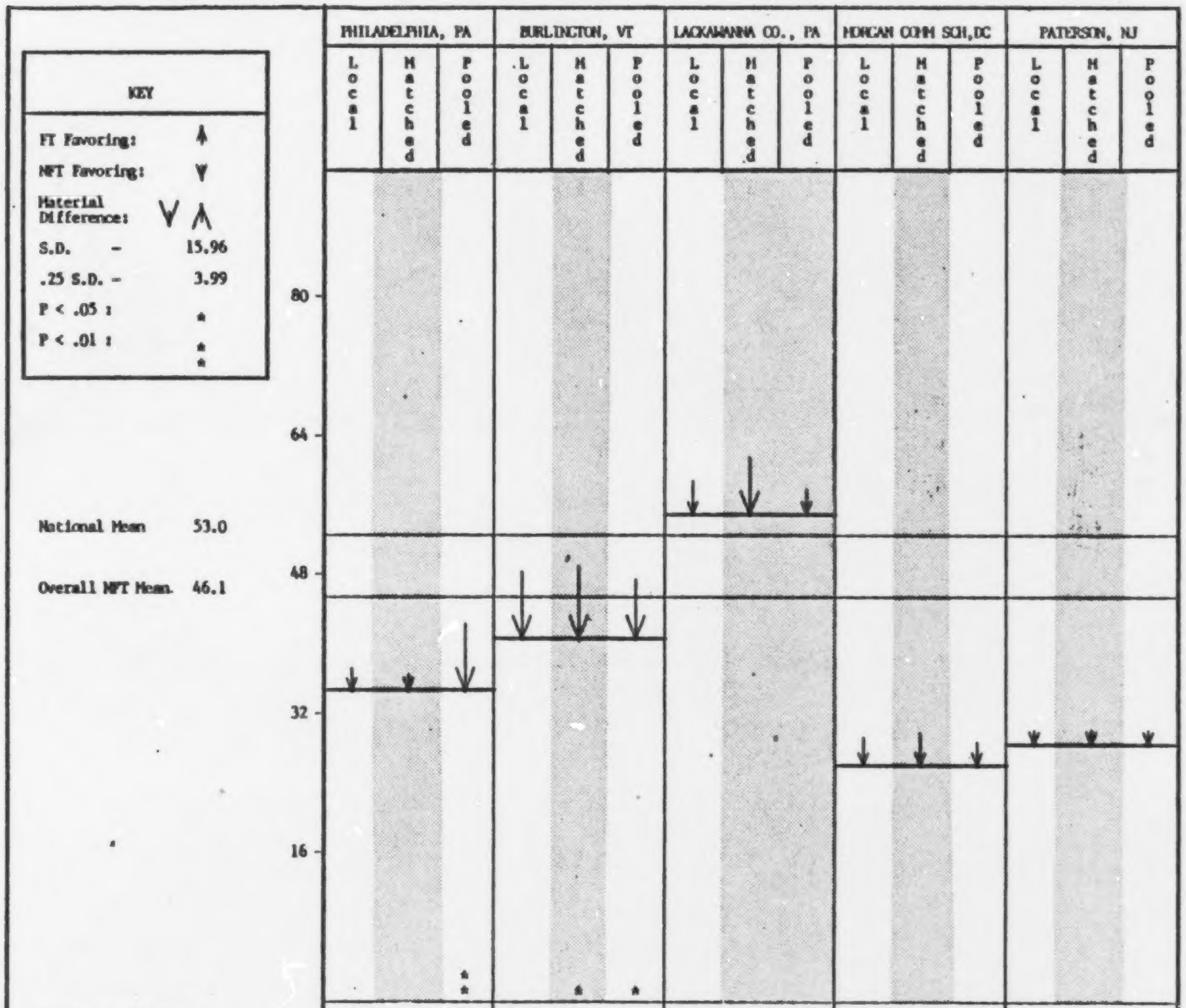
Overall NFT Mean 13.1



| | PHILADELPHIA, PA Local | Matched | Pooled | BURLINGTON, VT Local | Matched | Pooled | LACKAWANNA CO., PA Local | Matched | Pooled | MORGAN COMM SCH,DC Local | Matched | Pooled | PATERSON, NJ Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 0.33 | 0.48 | 0.14 | -0.78 | -1.70 | -0.75 | 0.20 | 0.67 | 0.23 | 1.21 | 1.23 | 1.25 | -0.15 | 0.26 | 0.11 |
| Standard Error | 0.41 | 0.68 | 0.19 | 0.94 | 0.57 | 0.56 | 0.64 | 0.50 | 0.25 | 1.25 | 0.89 | 0.49 | 0.89 | 0.84 | 0.41 |
| FT Mean | 12.95 | | | 11.71 | | | 14.22 | | | 13.47 | | | 11.70 | | |
| No. of FT Children | 145 | | | 21 | | | 50 | | | 15 | | | 40 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

# Table C9-IIIK-18

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL READING FOR COHORT III KINDERGARTEN SITES IN THE EDC MODEL



| | Philadelphia, PA Local | Matched | Pooled | Burlington, VT Local | Matched | Pooled | Lackawanna Co., PA Local | Matched | Pooled | Morgan Comm Sch,DC Local | Matched | Pooled | Paterson, NJ Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -2.52 | -0.28 | -7.63 | -7.45 | -8.28 | -6.74 | -3.74 | -6.46 | -2.71 | -2.96 | -3.74 | -2.58 | -1.51 | -1.47 | -0.23 |
| Standard Error | 2.37 | 3.78 | 1.12 | 5.44 | 4.18 | 3.03 | 3.69 | 3.43 | 2.04 | 7.19 | 4.21 | 3.45 | 5.12 | 3.44 | 1.67 |
| FT Mean | 35.09 | | | 41.05 | | | 55.24 | | | 26.60 | | | 28.95 | | |
| No. of FT Children | 145 | | | 21 | | | 50 | | | 15 | | | 40 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

## Table C9-IIIK-19

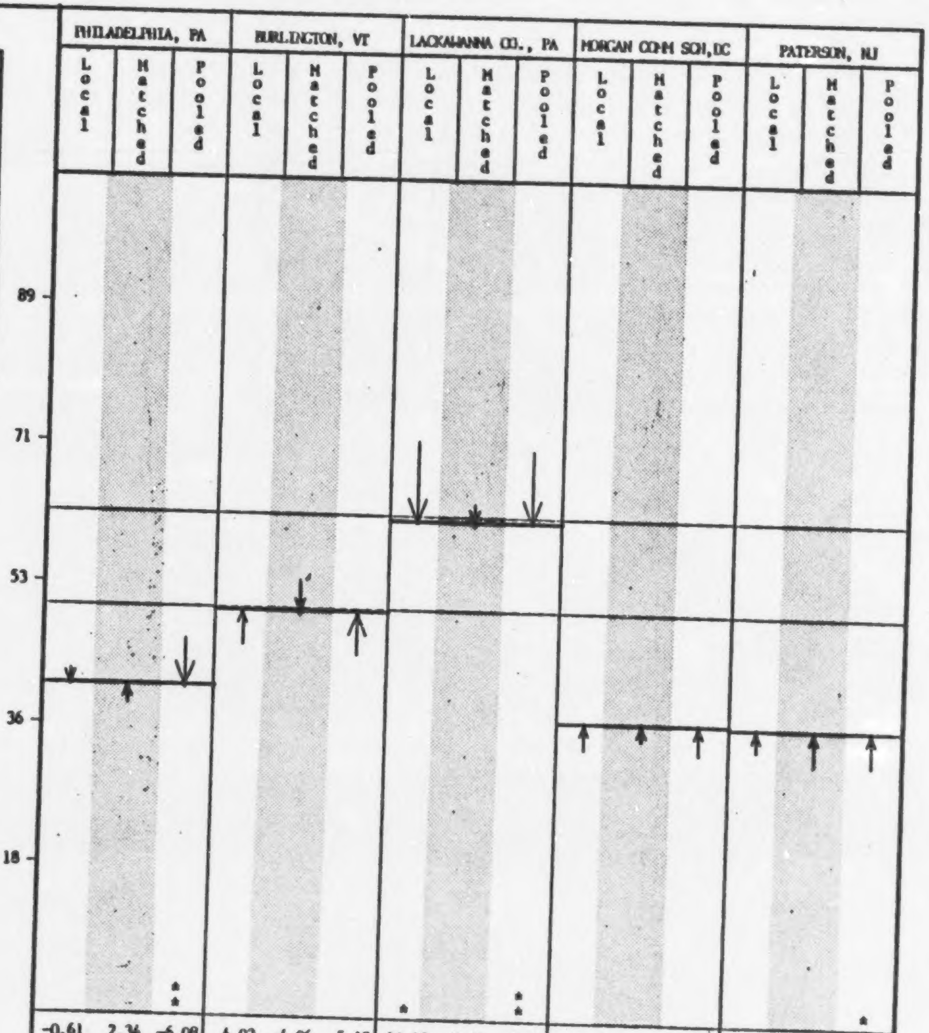
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT TOTAL MATH
FOR COHORT III KINDERGARTEN SITES
IN THE EDC MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. = | 17.83 |
| .25 S.D. = | 4.46 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 63.0

Overall NFT Mean 50.8



| | PHILADELPHIA, PA Local | Matched | Pooled | BURLINGTON, VT Local | Matched | Pooled | LACKAWANNA CO., PA Local | Matched | Pooled | MORGAN COMM SCH,DC Local | Matched | Pooled | PATERSON, NJ Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.61 | 2.34 | -6.08 ** | 4.02 | -4.06 | 5.18 | -10.16 * | -2.44 | -9.18 ** | 3.45 | 2.07 | 3.84 | 2.76 | 4.17 | 4.38 * |
| Standard Error | 2.72 | 4.19 | 1.18 | 6.24 | 4.70 | 4.23 | 4.23 | 4.21 | 2.51 | 8.24 | 4.99 | 4.00 | 5.87 | 3.23 | 1.87 |
| FT Mean | 41.00 | | | 50.52 | | | 62.22 | | | 37.20 | | | 36.83 | | |
| No. of FT Children | 145 | | | 21 | | | 50 | | | 15 | | | 40 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

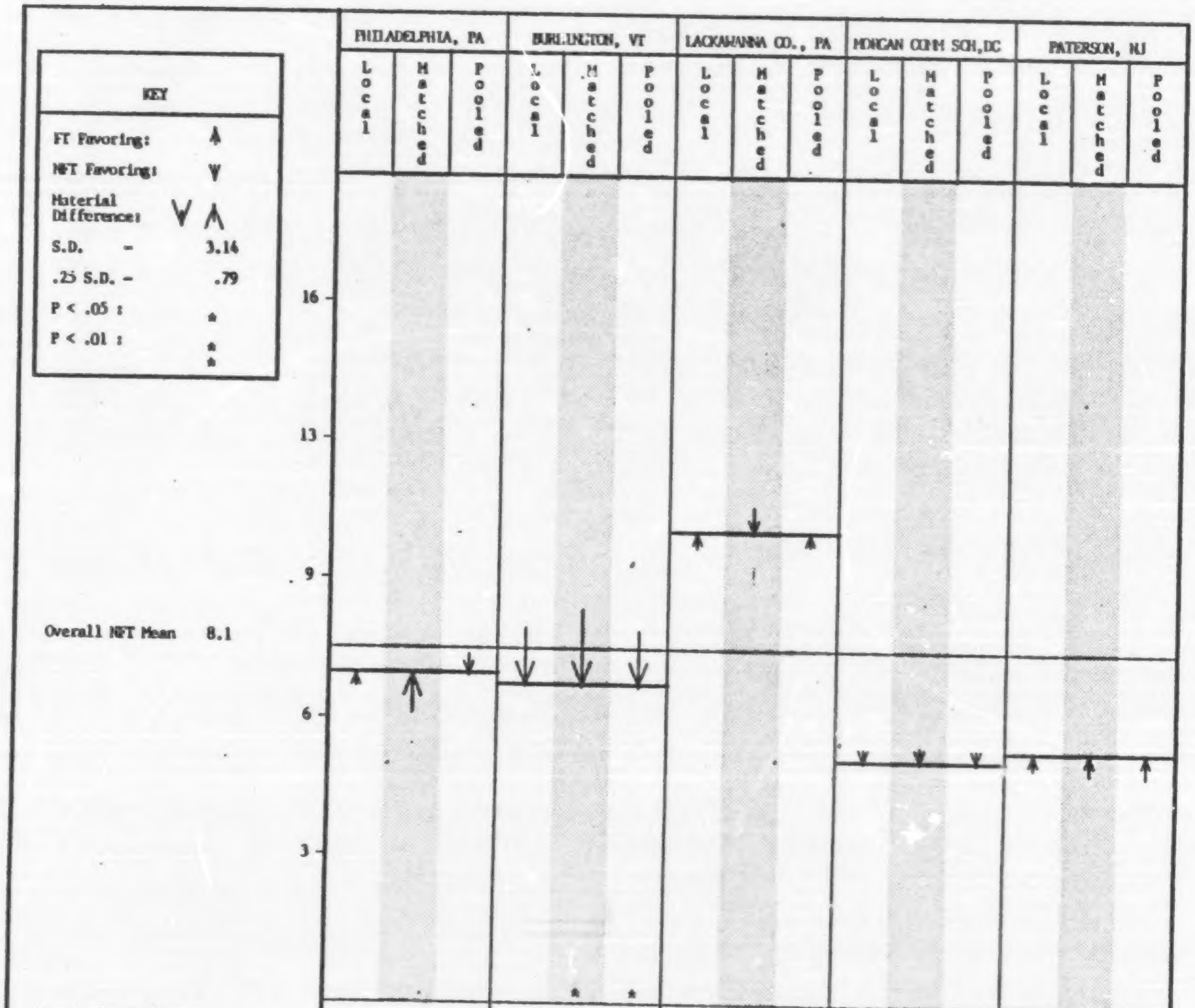
1128

1129

COHORT III-K STUDY
Non-Preschool Adjusted

# Table C9-IIIK-20

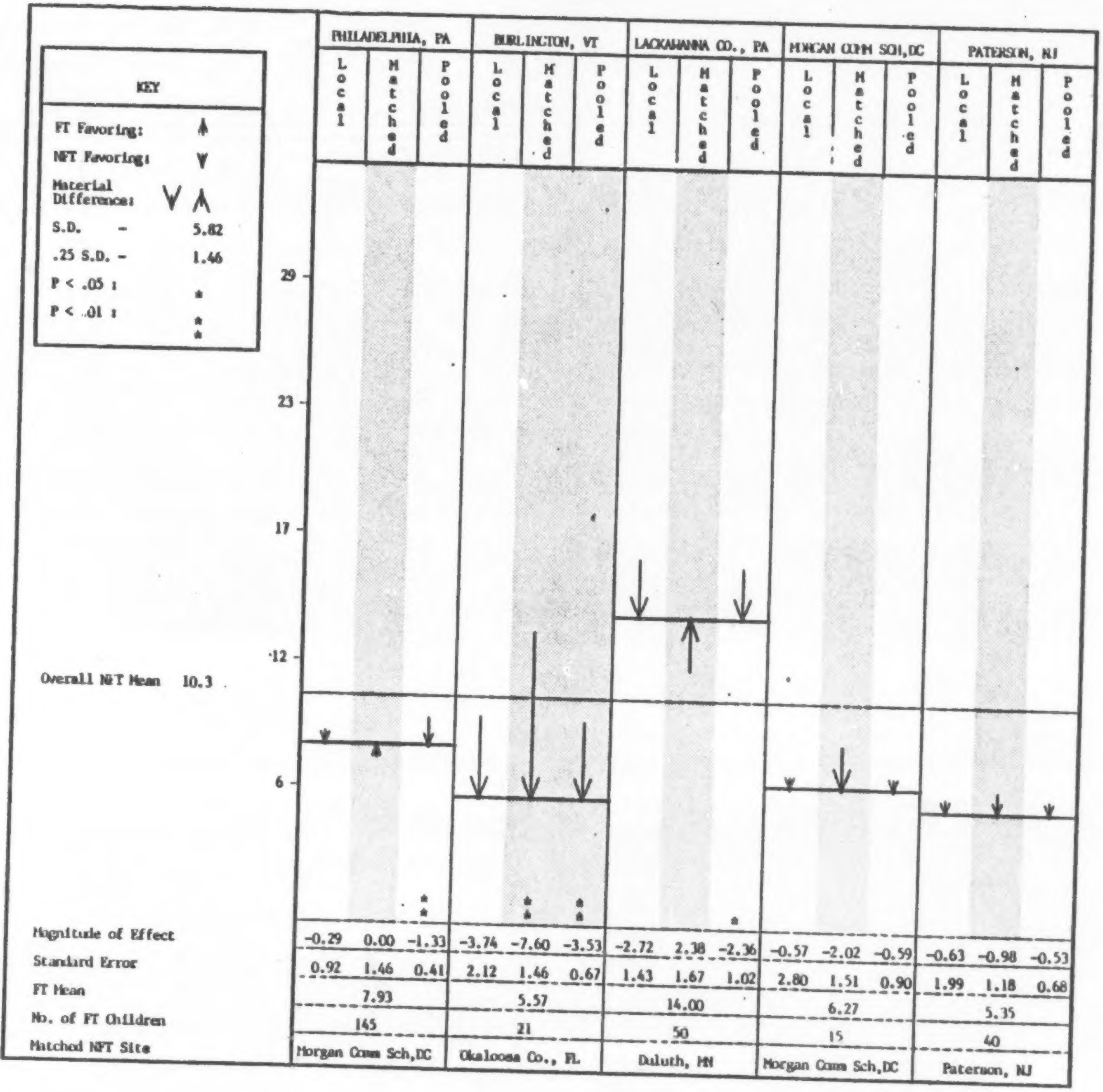
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT III KINDERGARTEN SITES IN THE FDC MODEL



| | PHILADELPHIA, PA | | | BURLINGTON, VT | | | LACKAWANNA CO., PA | | | MORGAN COMM SCH,DC | | | PATERSON, NJ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.30 | 0.89 | -0.41 | -1.27 | -1.69 | -1.22 | 0.27 | -0.62 | 0.31 | -0.18 | -0.34 | -0.12 | 0.27 | 0.43 | 0.50 |
| Standard Error | 0.52 | 0.93 | 0.26 | 1.20 | 0.71 | 0.62 | 0.81 | 0.70 | 0.41 | 1.58 | 1.05 | 0.68 | 1.12 | 0.88 | 0.46 |
| FT Mean | 7.39 | | | 7.14 | | | 10.56 | | | 5.47 | | | 5.65 | | |
| No. of FT Children | 145 | | | 21 | | | 50 | | | 15 | | | 40 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

# Table C9-IIIK-21

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT LANGUAGE PART B
FOR COHORT III KINDERGARTEN SITES
IN THE EDC MODEL.



| | PHILADELPHIA, PA Local | Matched | Pooled | BURLINGTON, VT Local | Matched | Pooled | LACKAWANNA CO., PA Local | Matched | Pooled | MORGAN COMM SCH,DC Local | Matched | Pooled | PATERSON, NJ Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.29 | 0.00 | -1.33 | -3.74 | -7.60 | -3.53 | -2.72 | 2.38 | -2.36 | -0.57 | -2.02 | -0.59 | -0.63 | -0.98 | -0.53 |
| Standard Error | 0.92 | 1.46 | 0.41 | 2.12 | 1.46 | 0.67 | 1.43 | 1.67 | 1.02 | 2.80 | 1.51 | 0.90 | 1.99 | 1.18 | 0.68 |
| FT Mean | 7.93 | | | 5.57 | | | 14.00 | | | 6.27 | | | 5.35 | | |
| No. of FT Children | 145 | | | 21 | | | 50 | | | 15 | | | 40 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C9-IIIK-22

## STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN FOR THE EDC MODEL

| | MAT NORM POPULATION | SPONSOR'S SITES | | | PHILADELPHIA, PA | | | BURLINGTON, VT | | | LACKAWANNA CO., PA | | | MORGAN COMM SCH,DC | | | PATERSON, NJ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | Local Best Match | FT | NFT | Local Best Match | FT | NFT | Local Best Match | FT | NFT | Local Best Match | FT | NFT | Local Best Match | FT | NFT | Local Best Match |
| TOTAL READING | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 61 | 53.1 | 55.5 | — | 50.1 | 51.9 | 50.3 | 56.0 | 58.8 | 59.0 | 63.7 | 65.7 | 64.0 | 47.8 | 50.3 | — | 48.0 | 51.0 | — |
| Median Percentile | 50 | 24.0 | 34.0 | 30.0 | 16.0 | 22.0 | 16.0 | 34.0 | 42.0 | 42.0 | 60.0 | 64.0 | 60.0 | 12.0 | 16.0 | 16.0 | 12.0 | 20.0 | 20.0 |
| Grade Equivalent | 3.5 | 2.7 | 3.0 | 2.9 | 2.4 | 2.6 | 2.4 | 3.0 | 3.3 | 3.3 | 3.8 | 4.1 | 3.8 | 2.3 | 2.4 | 2.4 | 2.3 | 2.5 | 2.5 |
| 1 Year or More Below Grade Level | 20 | 48.4 | 39.4 | — | 54.5 | 49.0 | 60.0 | 33.3 | 27.8 | 31.5 | 6.0 | 5.8 | 10.1 | 73.3 | 60.0 | — | 75.0 | 54.2 | — |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 61.0 | 60.1 | — | 57.8 | 57.7 | 52.0 | 64.3 | 62.5 | 64.2 | 70.5 | 75.0 | 70.3 | 57.0 | 52.0 | — | 55.5 | 53.5 | — |
| Median Percentile | 50 | 20.0 | 18.0 | 14.0 | 14.0 | 14.0 | 6.0 | 28.0 | 26.0 | 28.0 | 52.0 | 66.0 | 48.0 | 12.0 | 6.0 | 6.0 | 11.0 | 8.0 | 8.0 |
| Grade Equivalent | 3.75 | 3.0 | 3.0 | 2.8 | 2.8 | 2.8 | 2.3 | 3.2 | 3.2 | 3.2 | 3.8 | 4.2 | 3.7 | 2.7 | 2.3 | 2.3 | 2.6 | 2.4 | 2.4 |
| ' Year or More Below Grade Level | 12 | 40.6 | 41.5 | — | 49.0 | 48.6 | 53.3 | 33.3 | 38.9 | 18.5 | 10.0 | 4.4 | 10.1 | 53.3 | 53.3 | — | 57.5 | 62.5 | — |
| SPELLING | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 64 | 55.0 | 59.4 | — | 54.7 | 60.2 | 50.5 | 56.0 | 63.2 | 58.3 | 66.8 | 71.6 | 65.3 | 45.0 | 50.5 | — | 52.5 | 51.5 | — |
| Median Percentile | 50 | 23.0 | 36.0 | 23.0 | 23.0 | 38.0 | 16.0 | 26.0 | 48.0 | 32.0 | 60.0 | 76.0 | 54.0 | 8.0 | 16.0 | 16.0 | 20.0 | 18.0 | 18.0 |
| Grade Equivalent | 3.6 | 2.7 | 3.0 | 2.7 | 2.7 | 3.1 | 2.4 | 2.8 | 3.5 | 2.9 | 4.1 | 4.7 | 3.7 | 2.0 | 2.4 | 2.4 | 2.6 | 2.5 | 2.5 |
| 1 Year or More Below Grade Level | 22 | 46.2 | 36.9 | — | 49.7 | 35.7 | 66.7 | 47.6 | 25.0 | 35.2 | 16.0 | 7.3 | 11.4 | 60.0 | 66.7 | — | 57.5 | 50.0 | — |
| LANGUAGE | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70 | 56.5 | 57.7 | — | 56.0 | 55.3 | 53.8 | 54.0 | 56.5 | 63.5 | 68.5 | 72.6 | 63.9 | 52.0 | 53.8 | — | 52.0 | 50.5 | — |
| Median Percentile | 50 | 20.0 | 22.0 | 20.0 | 18.0 | 14.0 | 12.0 | 12.0 | 20.0 | 34.0 | 48.0 | 58.0 | 34.0 | 10.0 | 12.0 | 12.0 | 10.0 | 9.0 | 9.0 |
| Grade Equivalent | 4.0 | 2.7 | 2.8 | 2.7 | 2.6 | 2.5 | 2.4 | 2.4 | 2.7 | 3.3 | 3.9 | 4.5 | 3.3 | 2.3 | 2.4 | 2.4 | 2.3 | 2.2 | 2.2 |
| 1 Year or More Below Grade Level | 14 | 73.8 | 60.3 | — | 72.4 | 74.5 | 73.3 | 90.5 | 55.6 | 40.7 | 32.0 | 18.8 | 43.0 | 86.7 | 73.3 | — | 87.5 | 79.2 | — |
| BEST MATCHED SITE | | | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

Table C9-IIIK(PS)-22

## STANDARDIZED SCORES FOR MAT READING MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN WITH HEADSTART FOR THE EDC MODEL

| | MAT NORM POPU-LATION | SPONSOR'S SITES | | PHILADEL-PHIA, PA | | BURLING-TON, VT | | LACKAWANNA CO., PA | | MORGAN COMM. SCH., DC | | PATERSON, NJ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| TOTAL READING | | | | | | | | | | | | | |
| Third Grade Median | 61 | 53.2 | 55.8 | 50.6 | 52.9 | 56.8 | 59.1 | 63.8 | 65.8 | 48.0 | 50.1 | 47.0 | 50.9 |
| Median Percentile | 50 | 28 | 34 | 20 | 24 | 36 | 42 | 60 | 66 | 12 | 16 | 10 | 20 |
| Grade Equivalent | 3.5 | 2.8 | 3.0 | 2.5 | 2.7 | 3.1 | 3.3 | 3.8 | 4.1 | 2.3 | 2.4 | 2.2 | 2.5 |
| % 1 Year or More Below Grade Level | 20 | 47 | 39 | 54 | 47 | 30 | 26 | 6 | 6 | 73 | 60 | 70 | 57 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 61.7 | 60.5 | 58.3 | 58.3 | 64.2 | 62.5 | 70.9 | 74.8 | 57.0 | 52.0 | 58.3 | 54.8 |
| Median Percentile | 50 | 24 | 24 | 14 | 14 | 28 | 23 | 52 | 66 | 12 | 7 | 14 | 10 |
| Grade Equivalent | 3.75 | 3.1 | 3.0 | 2.8 | 2.8 | 3.2 | 3.1 | 3.8 | 4.2 | 2.7 | 2.4 | 2.8 | 2.5 |
| % 1 Year or More Below Grade Level | 12 | 38 | 41 | 48 | 45 | 30 | 40 | 10 | 3 | 53 | 53 | 48 | 62 |
| SPELLING | | | | | | | | | | | | | |
| Third Grade Median | 64 | 55.0 | 59.1 | 55.0 | 61.4 | 56.8 | 62.6 | 66.8 | 71.5 | 45.0 | 50.2 | 51.2 | 50.0 |
| Median Percentile | 50 | 27 | 38 | 23 | 40 | 30 | 48 | 60 | 76 | 8 | 14 | 16 | 14 |
| Grade Equivalent | 3.6 | 2.8 | 3.3 | 2.7 | 3.3 | 2.9 | 3.5 | 4.1 | 4.7 | 2.0 | 2.4 | 2.4 | 2.4 |
| % 1 Year or More Below Grade Level | 22 | 46 | 37 | 49 | 34 | 45 | 26 | 16 | 8 | 60 | 67 | 58 | 52 |
| LANGUAGE | | | | | | | | | | | | | |
| Third Grade Median | 70 | 56.7 | 58.2 | 56.2 | 55.4 | 54.5 | 56.3 | 68.4 | 72.7 | 52.0 | 53.5 | 52.5 | 53.2 |
| Median Percentile | 50 | 19 | 23 | 18 | 14 | 12 | 18 | 44 | 58 | 10 | 12 | 10 | 11 |
| Grade Equivalent | 4.0 | 2.7 | 2.9 | 2.6 | 2.5 | 2.4 | 2.6 | 3.7 | 4.5 | 2.3 | 2.4 | 2.3 | 2.4 |
| % 1 Year or More Below Grade Level | 14 | 74 | 61 | 70 | 74 | 90 | 57 | 33 | 21 | 87 | 73 | 88 | 81 |

## Table C9-IIIK-23

### MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES USED IN THE ANALYTIC SAMPLE OF THE COHORT III KINDERGARTEN CHILDREN FOR THE EDC MODEL

| | SPONSOR'S SITES | | | PHILADELPHIA, PA | | | BURLINGTON, VT | | | LACKAWANNA CO., PA | | | MORGAN COMM SCH,DC | | | PATERSON, NJ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | | | | | | | | | | | | | |
| Mean | 27.5 | 30.2 | — | 28.5 | 26.9 | 28.3 | 27.8 | 30.6 | 25.2 | 36.0 | 38.7 | 36.4 | 22.1 | 28.3 | — | 22.9 | 26.3 | — |
| Standard Deviation | — | — | — | 11.5 | 11.4 | 12.1 | 11.1 | 12.2 | 10.5 | 11.6 | 13.4 | 10.4 | 7.7 | 12.1 | — | 11.8 | 11.0 | — |
| HIGHEST OCCUPATION IN HOUSE | | | | | | | | | | | | | | | | | | |
| Mean | 13.9 | 14.4 | — | 13.9 | 13.6 | 13.9 | 14.2 | 15.7 | 14.7 | 15.5 | 15.5 | 14.9 | 13.3 | 13.9 | — | 12.9 | 13.4 | — |
| Standard Deviation | — | — | — | 1.8 | 1.9 | 1.9 | 1.8 | 2.6 | 2.0 | 2.3 | 2.2 | 2.0 | 1.9 | 1.9 | — | 1.2 | 1.2 | — |
| FAMILY INCOME IN DOLLARS | | | | | | | | | | | | | | | | | | |
| Mean | 5641 | 6018 | — | 5818 | 5407 | 4460 | 5505 | 7747 | 5592 | 7053 | 7477 | 7853 | 5221 | 4460 | — | 4509 | 5000 | — |
| Standard Deviation | — | — | — | 2723 | 2789 | 2318 | 2861 | 2360 | 2941 | 2401 | 2324 | 2272 | 2861 | 2318 | — | 2285 | 2741 | — |
| MISSING INCOME INFORMATION | | | | | | | | | | | | | | | | | | |
| No. Missing | — | — | — | 28 | 405 | 0 | 1 | 2 | 1 | 20 | 13 | 2 | 1 | 0 | — | 5 | 0 | — |
| Valid Cases | — | — | — | 117 | 54 | 15 | 20 | 34 | 53 | 30 | 56 | 77 | 14 | 15 | — | 35 | 24 | — |
| ETHNIC MEMBERSHIP/RACE | | | | | | | | | | | | | | | | | | |
| Percent White | 40 | 41 | — | 5 | 1 | 0 | 95 | 97 | 78 | 100 | 100 | 94 | 0 | 0 | — | 0 | 4 | — |
| Percent Black | 60 | 57 | — | 95 | 95 | 100 | 5 | 3 | 22 | 0 | 0 | 0 | 100 | 100 | — | 100 | 88 | — |
| SEX Percent Female | 53 | 52 | — | 53 | 54 | 53 | 52 | 50 | 56 | 52 | 48 | 44 | 53 | 53 | — | 53 | 54 | — |
| ENTRY AGE IN MONTHS | | | | | | | | | | | | | | | | | | |
| Mean | 63.1 | 63.3 | — | 62.2 | 61.9 | 61.6 | 63.2 | 64.5 | 63.4 | 62.9 | 64.1 | 66.3 | 62.9 | 61.6 | — | 64.3 | 64.4 | — |
| Standard Deviation | — | — | — | 3.5 | 3.5 | 3.8 | 3.4 | 4.2 | 3.6 | 3.2 | 3.3 | 4.1 | 3.4 | 3.8 | — | 3.7 | 4.9 | — |
| FIRST LANGUAGE | | | | | | | | | | | | | | | | | | |
| Percent English | 100 | 99 | — | 100 | 97 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | — | 100 | 96 | — |
| BEST MATCHED SITE | | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

## Table C9-IIIK-24

## MEANS AND STANDARD DEVIATIONS
## FOR THE OUTCOME MEASURES
## FOR THE COHORT III KINDERGARTEN CHILDREN
## IN THE EDC MODEL

| | | ALL SITES | | SPONSOR'S SITES | | | PHILADELPHIA, PA | | | BURLINGTON, VT | | | LACKAHANNA CO., PA | | | MORGAN COMM SCH,DC | | | PATERSON, NJ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | Mean | 41.25 | 46.14 | 37.39 | 42.85 | — | 35.09 | 35.92 | 34.13 | 41.05 | 51.08 | 46.72 | 55.24 | 60.55 | 57.52 | 26.60 | 34.13 | — | 28.95 | 32.58 | — |
| | Standard Deviation | | | — | — | — | 15.90 | 15.05 | 12.74 | 17.71 | 23.59 | 18.35 | 14.46 | 15.67 | 15.96 | 10.45 | 12.74 | — | 12.83 | 14.32 | — |
| TOTAL MATHEMATICS | Mean | 47.77 | 50.84 | 45.55 | 47.50 | — | 41.00 | 40.88 | 38.27 | 50.52 | 48.86 | 53.43 | 62.22 | 73.88 | 62.75 | 37.20 | 38.27 | — | 36.83 | 35.63 | — |
| | Standard Deviation | | | — | — | — | 15.67 | 17.27 | 14.03 | 22.31 | 23.95 | 18.16 | 17.15 | 17.87 | 20.14 | 12.42 | 14.03 | — | 11.93 | 12.21 | — |
| LANGUAGE | Mean | 16.60 | 18.44 | 15.07 | 17.62 | — | 15.32 | 14.63 | 14.40 | 12.71 | 18.94 | 21.50 | 24.56 | 27.81 | 20.94 | 11.73 | 14.40 | — | 11.00 | 12.33 | — |
| | Standard Deviation | | | — | — | — | 7.49 | 7.17 | 6.76 | 5.98 | 10.74 | 8.26 | 9.08 | 9.85 | 8.94 | 4.96 | 6.76 | — | 6.03 | 6.30 | — |
| SPELLING | Mean | 17.64 | 20.63 | 14.78 | 18.42 | — | 14.16 | 17.91 | 11.00 | 15.38 | 21.69 | 18.19 | 24.80 | 28.57 | 25.49 | 8.20 | 11.00 | — | 11.38 | 12.92 | — |
| | Standard Deviation | | | — | — | — | 12.50 | 12.66 | 11.80 | 11.34 | 12.16 | 12.23 | 10.25 | 9.51 | 10.54 | 9.92 | 11.80 | — | 10.29 | 12.53 | — |
| RAVEN'S PROGRESSIVE MAT. | Mean | 18.15 | 18.95 | 17.69 | 18.48 | — | 17.48 | 16.97 | 16.53 | 18.05 | 20.83 | 19.80 | 21.16 | 21.20 | 21.03 | 14.27 | 16.53 | — | 17.48 | 16.88 | — |
| | Standard Deviation | | | — | — | — | 4.28 | 4.52 | 4.14 | 4.50 | 4.25 | 4.20 | 3.68 | 4.16 | 3.97 | 5.01 | ..14 | — | 4.37 | 5.23 | — |
| COOPERSMITH'S SELF-EST. | Mean | 35.64 | 36.59 | 36.50 | 35.56 | — | 35.92 | 35.73 | 32.67 | 33.95 | 35.97 | 34.96 | 37.94 | 38.84 | 39.19 | 38.73 | 32.67 | — | 35.95 | 34.58 | — |
| | Standard Deviation | | | — | — | — | 6.83 | 7.25 | 8.89 | 7.81 | 6.39 | 7.75 | 8.02 | 7.04 | 7.88 | 6.41 | 8.89 | — | 7.27 | 7.44 | — |
| IARS-LOCUS NEGATIVE | Mean | 9.91 | 10.11 | 10.10 | 10.27 | — | 10.17 | 9.79 | 8.47 | 9.76 | 10.75 | 10.13 | 11.88 | 11.33 | 10.67 | 9.93 | 8.47 | — | 8.75 | 11.00 | — |
| | Standard Deviation | | | — | — | — | 2.76 | 2.76 | 3.00 | 2.83 | 2.85 | 2.30 | 2.25 | 2.78 | 2.45 | 2.66 | 3.00 | — | 2.56 | 2.60 | — |
| IARS-LOCUS POSITIVE | Mean | 12.83 | 13.07 | 12.81 | 12.80 | — | 12.95 | 12.78 | 12.60 | 11.71 | 12.61 | 13.37 | 14.22 | 14.04 | 13.61 | 13.47 | 12.60 | — | 11.70 | 11.96 | — |
| | Standard Deviation | | | — | — | — | 2.35 | 2.43 | 2.16 | 2.76 | 2.64 | 1.90 | 1.80 | 2.16 | 1.95 | 1.68 | 2.16 | — | 2.79 | 2.65 | — |
| WORD KNOWLEDGE | Mean | 23.30 | 26.29 | 20.94 | 24.44 | — | 19.84 | 20.68 | 19.53 | 23.76 | 29.56 | 26.41 | 32.24 | 34.33 | 33.52 | 13.93 | 19.53 | — | 14.93 | 18.08 | — |
| | Standard Deviation | | | — | — | — | 10.85 | 9.79 | 8.06 | 10.73 | 13.06 | 10.75 | 8.69 | 8.92 | 8.93 | 7.88 | 8.06 | — | 8.34 | 10.30 | — |
| READING | Mean | 17.95 | 19.85 | 16.45 | 18.42 | — | 15.25 | 15.24 | 14.60 | 17.29 | 21.53 | 20.31 | 23.00 | 26.22 | 24.00 | 12.67 | 14.60 | — | 14.03 | 14.50 | — |
| | Standard Deviation | | | — | — | — | 5.97 | 6.24 | 5.45 | 7.72 | 11.37 | 8.64 | 6.62 | 7.86 | 7.93 | 3.48 | 5.45 | — | 5.53 | 5.10 | — |
| MATH COMPUTATIONS | Mean | 18.16 | 18.55 | 17.24 | 17.57 | — | 15.61 | 14.86 | 14.87 | 18.48 | 16.83 | 19.17 | 22.48 | 27.03 | 20.46 | 15.40 | 14.87 | — | 14.23 | 14.25 | — |
| | Standard Deviation | | | — | — | — | 5.90 | 6.25 | 4.85 | 8.57 | 8.37 | 6.77 | 5.66 | 6.10 | 6.68 | 4.21 | 4.85 | — | 4.17 | 4.07 | — |
| MATH CONCEPTS | Mean | 16.41 | 18.04 | 15.67 | 16.82 | — | 14.57 | 14.83 | 14.00 | 17.29 | 17.89 | 19.06 | 22.16 | 25.22 | 23.66 | 12.00 | 14.00 | — | 12.35 | 12.17 | — |
| | Standard Deviation | | | — | — | — | 6.81 | 7.11 | 6.72 | 8.36 | 8.43 | 6.64 | 7.06 | 7.06 | 7.47 | 5.52 | 6.72 | — | 5.45 | 5.10 | — |
| MATH PROBLEM SOLVING | Mean | 13.20 | 14.25 | 12.64 | 13.12 | — | 10.82 | 11.19 | 9.40 | 14.76 | 14.14 | 15.20 | 17.58 | 21.64 | 18.63 | 9.80 | 9.40 | — | 10.25 | 9.21 | — |
| | Standard Deviation | | | — | — | — | 5.01 | 5.57 | 4.47 | 6.99 | 8.35 | 6.58 | 6.19 | 6.80 | 7.38 | 4.57 | 4.47 | — | 4.32 | 4.81 | — |
| LANGUAGE PART A | Mean | 7.59 | 8.13 | 7.24 | 7.67 | — | 7.39 | 6.94 | 6.40 | 7.14 | 8.75 | 8.65 | 10.56 | 10.54 | 9.94 | 5.47 | 6.40 | — | 5.65 | 5.71 | — |
| | Standard Deviation | | | — | — | — | 3.41 | 3.22 | 3.48 | 3.28 | 3.35 | 2.59 | 2.91 | 2.74 | 2.91 | 2.20 | 3.48 | — | 3.37 | 3.36 | — |
| LANGUAGE PART B | Mean | 9.01 | 10.31 | 7.82 | 9.96 | — | 7.93 | 7.69 | 8.00 | 5.57 | 10.19 | 12.85 | 14.00 | 17.28 | 11.00 | 6.27 | 8.00 | — | 5.35 | 6.63 | — |
| | Standard Deviation | | | — | — | — | 5.24 | 5.07 | 4.71 | 3.87 | 8.36 | 6.78 | 7.29 | 8.22 | 7.33 | 3.17 | 4.71 | — | 4.03 | 4.16 | — |
| BEST MATCH SITE | | | | | | | Morgan Comm Sch,DC | | | Okaloosa Co., FL | | | Duluth, MN | | | Morgan Comm Sch,DC | | | Paterson, NJ | | |

## Table C9-IIIK-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K LOCAL ANALYSES FOR THE EDC MODEL

### CODE

FKW = Fall Kindergarten WRAT
NOFKW = Missing WRAT
LANG = First Language
SEX = Sex
INCOME = Income
NOINC = Missing Income
OCCUP = Occupation
ENTAGE = Entry Age
ETH1 = White vs. Black
NOOCCUP = Missing Occupation
ETH2 = White vs. Other

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .65188023 | .68158060E-01 |
| NOFKW | -5.6624709 | 7.6031429 |
| LANG | 13.311592 | 12.724424 |
| SEX | .53034299E-01 | 1.5463174 |
| INCOME | .12776270E-03 | .28830361E-03 |
| NOINC | 2.0549110 | 4.3104839 |
| OCCUP | .48555886 | .37672774 |
| ENTAGE | -.28490477 | .21992761 |
| ETH1 | 2.0162178 | 4.2939605 |
| NOOCCUP | -1.3546878 | 4.2804681 |
| ETH2 | -2.0466903 | 7.8300596 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .28924654 | .30319107E-01 |
| NOFKW | -2.9446918 | 3.3821459 |
| LANG | 2.7762005 | 5.6602721 |
| SEX | .93555759 | .68785647 |
| INCOME | .15112711E-03 | .12824761E-03 |
| NOINC | -.72768763 | 1.9174552 |
| OCCUP | .16493151 | .16758178 |
| ENTAGE | -.10835868 | .97831550E-01 |
| ETH1 | .64001703 | 1.9101050 |
| NOOCCUP | .37263386 | 1.9041031 |
| ETH2 | -.58711844 | 3.4830865 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .14149141 | .31303954E-01 |
| NOFKW | -3.9956419 | 3.4920072 |
| LANG | 1.5053055 | 5.8441331 |
| SEX | .43298164 | .71019992 |
| INCOME | .83111532E-04 | .13241344E-03 |
| NOINC | -.11567778E-01 | 1.9797393 |
| OCCUP | .14009229 | .17302579 |
| ENTAGE | .26579322E-01 | .10100939 |
| ETH1 | 1.1230875 | 1.9721504 |
| NOOCCUP | .29607810E-01 | 1.9659535 |
| ETH2 | .10608449 | 3.5962266 |

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .64070429 | .59447749E-01 |
| NOFKW | -10.156014 | 6.6314934 |
| LANG | 1.7973098 | 11.098296 |
| SEX | 1.3667345 | 1.3487046 |
| INCOME | .21802760E-03 | .25145963E-03 |
| NOINC | .72069937 | 3.7596224 |
| OCCUP | .48800080 | .32858353 |
| ENTAGE | -.37670253 | .19182179 |
| ETH1 | 3.4429960 | 3.7452105 |
| NOOCCUP | -1.0419474 | 3.7334424 |
| ETH2 | 5.7330035 | 6.8294112 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .42500035 | .48523661E-01 |
| NOFKW | -4.7711609 | 5.4128936 |
| LANG | -2.8529350 | 9.0588790 |
| SEX | 2.6179977 | 1.1008673 |
| INCOME | .68860560E-04 | .20525154E-03 |
| NOINC | .93501355 | 3.0687561 |
| OCCUP | .27627618 | .26820319 |
| ENTAGE | -.25039503 | .15657272 |
| ETH1 | .11909639 | 3.0569926 |
| NOOCCUP | -.18962446 | 3.0473870 |
| ETH2 | 2.5460769 | 5.5744421 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .16177059 | .17819651E-01 |
| NOFKW | .78304270 | 1.9878112 |
| LANG | 3.8662067 | 3.3267495 |
| SEX | -1.0254554 | .40427848 |
| INCOME | .12554475E-04 | .75375823E-04 |
| NOINC | -.46076253 | 1.1269587 |
| OCCUP | .53118704E-01 | .98493957E-01 |
| ENTAGE | -.48857334E-01 | .57499190E-01 |
| ETH1 | 2.1367533 | 1.1226387 |
| NOOCCUP | .77527233 | 1.1191112 |
| ETH2 | -3.2666991 | 2.0471377 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .53391170E-01 | .10295067E-01 |
| NOFKW | .29939896 | 1.1484316 |
| LANG | -.21186012 | 1.9219854 |
| SEX | .40161816 | .23356653 |
| INCOME | -.16586993E-05 | .43547383E-04 |
| NOINC | -.78496749E-01 | .65108547 |
| OCCUP | -.42056925E-03 | .56903578E-01 |
| ENTAGE | -.20565893E-01 | .33219395E-01 |
| ETH1 | -.28296962 | .64858965 |
| NOOCCUP | .37900610 | .64655167 |
| ETH2 | .10157395 | 1.1827066 |

## Table C9-IIIK-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .33221585E-01 | .12089417E-01 |
| NOFKW | -.41896496 | 1.3485942 |
| LANG | 1.4232261 | 2.2569725 |
| SEX | .20675305 | .27427536 |
| INCOME | -.43488581E-05 | .51137352E-04 |
| NOINC | .82113291 | .76456460 |
| OCCUP | .14704530E-01 | .66821429E-01 |
| ENTAGE | -.16449373E-01 | .39009277E-01 |
| ETH1 | .46941842 | .76163378 |
| NOOCCUP | -.50500990 | .75924059 |
| ETH2 | -.67397489 | 1.3888432 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .39733948 | .38536227E-01 |
| NOFKW | -3.7723349 | 4.2987791 |
| LANG | 1.9223549 | 7.1943257 |
| SEX | .78424256 | .87428014 |
| INCOME | .12805884E-03 | .16300543E-03 |
| NOINC | .97281540E-01 | 2.4371261 |
| OCCUP | .27596587 | .21299999 |
| ENTAGE | -.23253886 | .12434597 |
| ETH1 | 2.8590351 | 2.4277839 |
| NOOCCUP | .16424219 | 2.4201553 |
| ETH2 | 3.2554694 | 4.4270767 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .24336480 | .26003989E-01 |
| NOFKW | -6.3836794 | 2.9007875 |
| LANG | -.12504507 | 4.8546830 |
| SEX | .58249198 | .58995841 |
| INCOME | .89968759E-04 | .10999498E-03 |
| NOINC | .62341783 | 1.6445565 |
| OCCUP | .21203493 | .14373097 |
| ENTAGE | -.14416367 | .83907833E-01 |
| ETH1 | .58396095 | 1.6382524 |
| NOOCCUP | -1.2061896 | 1.6331047 |
| ETH2 | 2.4775341 | 2.9873618 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .27454589 | .27866939E-01 |
| NOFKW | -.94750302 | 3.1086025 |
| LANG | 6.1897470 | 5.2024769 |
| SEX | .51921014E-01 | .63222357 |
| INCOME | .11028404E-04 | .11787512E-03 |
| NOINC | .13508564E-01 | 1.7623740 |
| OCCUP | .17144091 | .15402799 |
| ENTAGE | -.12037608 | .89919066E-01 |
| ETH1 | 1.6437632 | 1.7556183 |
| NOOCCUP | -.16225646 | 1.7501018 |
| ETH2 | -1.9054255 | 3.2013792 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .18332199 | .25616899E-01 |
| NOFKW | -2.7666787 | 2.8576069 |
| LANG | 4.4172335 | 4.7824171 |
| SEX | .10054023E-01 | .58117640 |
| INCOME | .44036667E-04 | .10835761E-03 |
| NOINC | 1.1020763 | 1.6200759 |
| OCCUP | .14202320 | .14159142 |
| ENTAGE | -.75962928E-01 | .82658797E-01 |
| ETH1 | -.14481282 | 1.6138657 |
| NOOCCUP | -.57015167 | 1.6087946 |
| ETH2 | -.29796771 | 2.9428925 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .19401235 | .23304250E-01 |
| NOFKW | -1.9482892 | 2.5996272 |
| LANG | 2.7046118 | 4.3506689 |
| SEX | -.89407374E-02 | .52870882 |
| INCOME | .72697625E-04 | .98575277E-04 |
| NOINC | .93932610 | 1.4738183 |
| OCCUP | .17209476 | .12880880 |
| ENTAGE | -.88565765E-01 | .75196506E-01 |
| ETH1 | .51726743 | 1.4681687 |
| NOOCCUP | -.62227970 | 1.4635555 |
| ETH2 | .15670286 | 2.6772134 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .11271586 | .13065049E-01 |
| NOFKW | -.91274188 | 1.4574276 |
| LANG | 2.3761534 | 2.4391132 |
| SEX | .36825748 | .29640974 |
| INCOME | .17757488E-04 | .55264204E-04 |
| NOINC | .18668280 | .82626596 |
| OCCUP | .35272193E-01 | .72214006E-01 |
| ENTAGE | -.43773851E-01 | .42157377E-01 |
| ETH1 | .59097646 | .82309862 |
| NOOCCUP | -.12578320 | .82051231 |
| ETH2 | -.81776106 | 1.5009247 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .17653068 | .23122772E-01 |
| NOFKW | -2.0319499 | 2.5793763 |
| LANG | .40004703 | 4.3167776 |
| SEX | .56730010 | .52459022 |
| INCOME | .13336962E-03 | .97807383E-04 |
| NOINC | -.91437043 | 1.4623374 |
| OCCUP | .12965932 | .12780539 |
| ENTAGE | -.64584827E-01 | .74610731E-01 |
| ETH1 | .49040569E-01 | 1.4567318 |
| NOOCCUP | .49841706 | 1.4521545 |
| ETH2 | .23064262 | 2.6563581 |

### Table C9-IIIK(PS)-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K PRESCHOOL ADJUSTED LOCAL ANALYSES FOR THE EDC MODEL

CODE

SEX = Sex
ENTAGE = Entry Age
OCCUP = Occupation
NOINC = Missing Income
INCOME = Income
NOOCCUP = Missing Occupation
ETH2 = White vs. Other
ETH1 = White vs. Black
LANG = First Language
PSHS = Head Start
PSSOME = Some Preschool
FKW = Fall Kindergarten WRAT
FKWHS = FKW x Head Start
FKWSOME = FKW x Some Preschool

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .73331829 | 1.3680350 |
| ENTAGE | -.47037675 | .19220713 |
| OCCUP | .51659078 | .33669202 |
| NOINC | .20253867 | 3.6606290 |
| INCOME | .21528478E-03 | .25751330E-03 |
| NOOCCUP | -1.0061527 | 3.6182039 |
| ETH2 | 3.6813320 | 7.2841447 |
| ETH1 | 3.2758642 | 3.9665752 |
| LANG | 3.5143245 | 12.102666 |
| PSHS | .13072797 | 6.0213849 |
| PSSOME | -2.1531112 | 3.9025243 |
| FKW | .70961946 | .81287972E-01 |
| FKWHS | -.14557800 | .19158760 |
| FKWSOME | -.19505503E-01 | .11929646 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.93570270 | 1.5805269 |
| ENTAGE | -.39664529 | .22206197 |
| OCCUP | .50716207 | .36898917 |
| NOINC | 1.3784655 | 4.2292213 |
| INCOME | .13433172E-03 | .29751191E-03 |
| NOOCCUP | -.10786227 | 4.1802064 |
| ETH2 | -1.2470447 | 8.4155646 |
| ETH1 | 1.2281080 | 4.5826890 |
| LANG | 12.660351 | 13.982529 |
| PSHS | 1.3590601 | 6.9566648 |
| PSSOME | -1.7812084 | 4.5086893 |
| FKW | .73220021 | .93914138E-01 |
| FKWHS | -.18798996 | .22134622 |
| FKWSOME | -.11250874E-01 | .13782635 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 2.2905476 | 1.1037482 |
| ENTAGE | -.37716669 | .15507519 |
| OCCUP | .28606613 | .27164745 |
| NOINC | .66244852 | 2.9534426 |
| INCOME | .56396787E-04 | .20776504E-03 |
| NOOCCUP | -.98503396 | 2.9192134 |
| ETH2 | .58108668 | 5.8769417 |
| ETH1 | .46649281 | 3.2002839 |
| LANG | -2.4849167 | 9.7645867 |
| PSHS | -3.7870580 | 4.8581308 |
| PSSOME | -3.6301261 | 3.1486068 |
| FKW | .42527069 | .65584182E-01 |
| FKWHS | .40989100E-01 | .15457535 |
| FKWSOME | .69745027E-01 | .96249920E-01 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .80854098 | .70923942 |
| ENTAGE | -.11465153 | .99647216E-01 |
| OCCUP | .16704215 | .17455347 |
| NOINC | -1.5468371 | 1.8978041 |
| INCOME | .17953304E-03 | .13350432E-03 |
| NOOCCUP | .86454578 | 1.8758094 |
| ETH2 | .33428091 | 3.7763674 |
| ETH1 | -.26050361 | 2.0564178 |
| LANG | 2.0777724 | 6.2744653 |
| PSHS | 1.0541042 | 3.1217064 |
| PSSOME | -1.9120430 | 2.0232115 |
| FKW | .30178259 | .42142661E-01 |
| FKWHS | -.71410869E-01 | .99326030E-01 |
| FKWSOME | .36147338E-01 | .61847654E-01 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.1809931 | .41296985 |
| ENTAGE | -.56008106E-01 | .58021776E-01 |
| OCCUP | .59754833E-01 | .10163750 |
| NOINC | -.83740729 | 1.1050371 |
| INCOME | .83738832E-05 | .77735753E-04 |
| NOOCCUP | 1.1568718 | 1.0922302 |
| ETH2 | -2.6671487 | 2.1988708 |
| ETH1 | 1.7535167 | 1.1973933 |
| LANG | 3.3159721 | 3.6534418 |
| PSHS | .99125689 | 1.8176805 |
| PSSOME | -.47887437 | 1.1780582 |
| FKW | .16647280 | .24538466E-01 |
| FKWHS | -.28331397E-01 | .57834709E-01 |
| FKWSOME | .65156021E-02 | .36012172E-01 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .56776933 | .73230677 |
| ENTAGE | -.21862241E-01 | .10288808 |
| OCCUP | .14224935 | .18023054 |
| NOINC | -.64800104 | 1.9595271 |
| INCOME | .92893958E-04 | .13784673E-03 |
| NOOCCUP | .43342904 | 1.9368170 |
| ETH2 | 1.1536841 | 3.8991875 |
| ETH1 | 1.1290024 | 2.1232094 |
| LANG | 1.4061263 | 6.4785319 |
| PSHS | -4.2722068 | 3.2232348 |
| PSSOME | -1.9196113 | 2.0890131 |
| FKW | .12096612 | .43513282E-01 |
| FKWHS | .10451042 | .10255645 |
| FKWSOME | .55146058E-01 | .63859147E-01 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .26214526 | .23524413 |
| ENTAGE | -.38480210E-01 | .33051494E-01 |
| OCCUP | .52325639E-02 | .57896781E-01 |
| NOINC | -.78754838E-01 | .62947379 |
| INCOME | -.10339529E-04 | .44281391E-04 |
| NOOCCUP | .35443339 | .62217797 |
| ETH2 | -.37133097 | 1.2525647 |
| ETH1 | -.62662057E-01 | .68208309 |
| LANG | .11522499 | 2.0811465 |
| PSHS | -1.5725550 | 1.0354234 |
| PSSOME | .17075934 | .67106905 |
| FKW | .63411577E-01 | .13978092E-01 |
| FKWHS | .32414124E-01 | .32944961E-01 |
| FKWSOME | -.18708269E-01 | .20513943E-01 |

## Table C9-IIIK(PS)-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .40077783E-01 | .28195293 |
| ENTAGE | -.16407996E-01 | .39614020E-01 |
| OCCUP | .18269641E-01 | .69392453E-01 |
| NOINC | .52736281 | .75445811 |
| INCOME | -.14156355E-04 | .53073665E-04 |
| NOOCCUP | -.43958038 | .74571477 |
| ETH2 | -1.7858861 | 1.5012672 |
| ETH1 | 1.1789969 | .81751383 |
| LANG | 3.1257625 | 2.4943677 |
| PSHS | -2.6343822 | 1.2410115 |
| PSSOME | -.43492978 | .80431290 |
| FKW | .35634716E-01 | .16753506E-01 |
| FKWHS | .71012754E-01 | .39486335E-01 |
| FKWSOME | -.46659343E-02 | .24587081E-01 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .47779657 | .88543346 |
| ENTAGE | -.30545436 | .12440275 |
| OCCUP | .28658352 | .21791772 |
| NOINC | -.46496834 | 2.3692694 |
| INCOME | .13060746E-03 | .16667037E-03 |
| NOOCCUP | .50035560 | 2.3418106 |
| ETH2 | 1.5422748 | 4.7145180 |
| ETH1 | 3.0231791 | 2.5672870 |
| LANG | 3.4250744 | 7.8332102 |
| PSHS | 1.9106144 | 3.8972218 |
| PSSOME | -1.5317596 | 2.5258313 |
| FKW | .43962148 | .52612075E-01 |
| FKWHS | -.13957524 | .12400177 |
| FKWSOME | -.66546849E-02 | .77212265E-01 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .25552172 | .60277919 |
| ENTAGE | -.16192240 | .84689692E-01 |
| OCCUP | .23000725 | .14835216 |
| NOINC | .66750701 | 1.6129346 |
| INCOME | .94677319E-04 | .11346469E-03 |
| NOOCCUP | -1.5065083 | 1.5942414 |
| ETH2 | 2.1390572 | 3.2095166 |
| ETH1 | .25270510 | 1.7477397 |
| LANG | .89250076E-01 | 5.3326380 |
| PSHS | -1.7798865 | 2.6531234 |
| PSSOME | -.62135167 | 1.7195178 |
| FKW | .26999798 | .35816846E-01 |
| FKWHS | -.60027588E-02 | .84416718E-01 |
| FKWSOME | -.12850819E-01 | .52564025E-01 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.20200291 | .64196863 |
| ENTAGE | -.16813674 | .90195757E-01 |
| OCCUP | .17438891 | .15799722 |
| NOINC | -.22077279 | 1.7177989 |
| INCOME | .85686771E-06 | .12084155E-03 |
| NOOCCUP | .27016463 | 1.6978904 |
| ETH2 | -2.0356310 | 3.4181820 |
| ETH1 | 1.3963318 | 1.8613683 |
| LANG | 6.4029521 | 5.6793373 |
| PSHS | -.68381931 | 2.8256151 |
| PSSOME | -.87362034 | 1.8313115 |
| FKW | .30691341 | .38145464E-01 |
| FKWHS | -.47211816E-01 | .89905036E-01 |
| FKWSOME | -.62598757E-02 | .55981453E-01 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.44906282 | .59604875 |
| ENTAGE | -.12944100 | .83744074E-01 |
| OCCUP | .14669427 | .14669571 |
| NOINC | .80516273 | 1.5949251 |
| INCOME | .52830419E-04 | .11219778E-03 |
| NOOCCUP | -.80904642E-01 | 1.5764406 |
| ETH2 | .73880219 | 3.1736801 |
| ETH1 | -.45453215 | 1.7282250 |
| LANG | 3.8300223 | 5.2730955 |
| PSHS | -.50590631E-01 | 2.6234994 |
| PSSOME | -1.3244233 | 1.7003182 |
| FKW | .18854626 | .35416977E-01 |
| FKWHS | -.21691264E-01 | .83474148E-01 |
| FKWSOME | .28501429E-01 | .51977112E-01 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.28463697 | .54414317 |
| ENTAGE | -.99065546E-01 | .70451407E-01 |
| OCCUP | .18609689 | .13392104 |
| NOINC | .79407556 | 1.4560346 |
| INCOME | .80644431E-04 | .10242728E-03 |
| NOOCCUP | -.29712226 | 1.4391598 |
| ETH2 | .49784047E-01 | 2.8973072 |
| ETH1 | .28630843 | 1.5777263 |
| LANG | 2.4273762 | 4.8138996 |
| PSHS | 2.0934900 | 2.3950378 |
| PSSOME | .41683525 | 1.5522497 |
| FKW | .23674053 | .32332772E-01 |
| FKWHS | -.11908688 | .76204987E-01 |
| FKWSOME | -.33492427E-01 | .47450800E-01 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .34188194 | .30555746 |
| ENTAGE | -.48830653E-01 | .42930476E-01 |
| OCCUP | .29718145E-01 | .75201850E-01 |
| NOINC | -.75815246E-01 | .81761983 |
| INCOME | .26520488E-04 | .57516885E-04 |
| NOOCCUP | .35993940E-01 | .80814397 |
| ETH2 | -1.0781560 | 1.6269502 |
| ETH1 | .38909739 | .88595445 |
| LANG | 2.8766976 | 2.7031911 |
| PSHS | -.57995414 | 1.3449065 |
| PSSOME | -1.0085068 | .87164835 |
| FKW | .10561352 | .18156076E-01 |
| FKWHS | .60204478E-02 | .42792052E-01 |
| FKWSOME | .29172875E-01 | .26645462E-01 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .46665905 | .54239449 |
| ENTAGE | -.65820872E-01 | .76205721E-01 |
| OCCUP | .13732400 | .13349067 |
| NOINC | -1.4710218 | 1.4513555 |
| INCOME | .15301255E-03 | .10209812E-03 |
| NOOCCUP | .84855184 | 1.4345349 |
| ETH2 | 1.4124369 | 2.8879964 |
| ETH1 | -.64960101 | 1.5726561 |
| LANG | -.79892519 | 4.7984296 |
| PSHS | 1.6340583 | 2.3873410 |
| PSSOME | -.90354215 | 1.5472614 |
| FKW | .19616908 | .32228817E-01 |
| FKWHS | -.77431317E-01 | .75960093E-01 |
| FKWSOME | .69744634E-02 | .47298311E-01 |

## Table C9-IIIK(PS)-26

## TREATMENT REGRESSION COEFFICIENTS AND STANDARD ERRORS BY OUTCOME FOR HEAD START STUDIES OF COHORT III-K SITES IN THE EDC MODEL

| | | Philadelphia, PA | | Burlington, VT | | Lackawanna Co., PA | | Morgan Comm. Sch., DC | | Paterson, NJ | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local |
| Word Knowledge | b | -1.74* | -1.21 | -3.29 | -3.12 | 5.52** | -.09 | -2.28 | -2.70 | -2.95 | -.54 |
| | Standard Error | .76 | 1.58 | 1.90 | 3.45 | 1.78 | 2.37 | 2.45 | 4.33 | 1.54 | 3.57 |
| Spelling | b | -5.59** | -4.54* | -2.14 | -2.74 | 2.64 | -1.60 | .05 | .95 | .31 | 2.04 |
| | Standard Error | .91 | 1.98 | 2.45 | 4.30 | 1.88 | 2.95 | 3.02 | 5.40 | .80 | 4.45 |
| Language | b | .06 | .29 | -2.90** | -4.22 | -.87 | -1.57 | .22 | -.66 | -1.52 | .76 |
| | Standard Error | .59 | 1.27 | 1.03 | 2.77 | 1.32 | 1.90 | 1.58 | 3.47 | 1.03 | 2.86 |
| Math Computations | b | .97* | .87 | 3.03 | 3.09 | -3.56** | -3.86* | 2.07 | 1.94 | 1.01 | 1.18 |
| | Standard Error | .47 | 1.07 | 1.65 | 2.32 | .87 | 1.60 | 1.32 | 2.91 | .81 | 2.40 |
| Raven's | b | .36 | .62 | -.60 | -1.97 | .48 | .15 | -1.57 | -1.26 | .25 | 1.26 |
| | Standard Error | .33 | .74 | .92 | 1.61 | .47 | 1.11 | 1.21 | 2.02 | .71 | 1.67 |
| Reading | b | -.94* | -.77 | -2.02 | -2.33 | 1.85 | -1.36 | .48 | .13 | .88 | 1.90 |
| | Standard Error | .47 | 1.08 | 1.29 | 2.35 | 1.67 | 1.61 | 1.35 | 2.95 | .91 | 2.43 |
| Math Concepts | b | -.53 | -.51 | -.01 | 1.36 | .45 | -1.82 | .29 | .22 | .54 | 2.81 |
| | Standard Error | .50 | 1.15 | 1.79 | 2.50 | 1.17 | 1.72 | 1.74 | 3.14 | 1.01 | 2.59 |
| Math Problem Solving | b | -.92* | -.49 | .57 | 2.05 | -.35 | -2.82 | 2.18 | 1.71 | 1.66 | 2.60 |
| | Standard Error | .43 | .97 | 1.42 | 2.12 | 1.07 | 1.46 | 1.57 | 2.66 | .86 | 2.19 |
| Coopersmith | b | .99 | .06 | -1.65 | -.21 | -2.25 | -.14 | 8.03** | 7.42* | 1.29 | 3.95 |
| | Standard Error | .60 | 1.31 | 1.65 | 2.86 | 1.17 | 1.96 | 1.69 | 3.58 | 1.33 | 2.95 |
| IARS(-) | b | .43 | .64 | -2.26** | -.41 | .79* | .73 | 1.83** | 1.86 | -.80 | -1.44 |
| | Standard Error | .25 | .50 | .80 | 1.10 | .37 | .75 | .61 | 1.38 | .43 | 1.14 |
| IARS(+) | b | .29 | .51 | 1.40* | -.30 | .46 | .34 | 1.26** | 1.34 | -.41 | .06 |
| | Standard Error | .20 | .42 | .62 | .92 | .32 | .63 | .42 | 1.15 | .50 | .95 |
| Total Reading | b | -2.67* | -1.98 | -5.30 | -5.45 | 7.09* | -1.45 | -1.80 | -2.58 | -2.06 | 1.37 |
| | Standard Error | 1.11 | 2.45 | 2.96 | 5.33 | 2.85 | 3.66 | 3.61 | 6.69 | 2.31 | 5.52 |
| Total Math | b | -.48 | -.14 | 3.59 | 6.49 | -3.46 | -8.50* | 4.54 | 3.88 | 3.22 | 6.60 |
| | Standard Error | 1.20 | 2.83 | 4.46 | 6.16 | 2.83 | 4.23 | 4.17 | 7.73 | 2.32 | 6.38 |
| Language Part A | b | .32 | .39 | -2.12** | -.92 | 1.25* | .46 | .03 | -.06 | -.41 | .92 |
| | Standard Error | .27 | .55 | .76 | 1.11 | .47 | .82 | .75 | 1.49 | .51 | 1.23 |
| Language Part B | b | -.26 | -.10 | -.79 | -3.30 | -2.12 | -2.03 | .20 | -.60 | -1.10 | -.16 |
| | Standard Error | .43 | .97 | 1.02 | 2.11 | 1.08 | 1.45 | .91 | 2.65 | .82 | 2.19 |

* p < .05

** p < .01

Table C9-IIIK(PS)-27

## BACKGROUND VARIABLES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR EDC MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 58 | 126 | 64 | 248 | 23 | 136 | 328 | 487 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 25.55 | 30.08 | 29.00 | 28.74 | 27.65 | 31.64 | 28.07 | 29.05 |
| STANDARD DEVIATION | 10.78 | 12.46 | 11.82 | 12.01 | 14.59 | 12.78 | 12.23 | 12.58 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.47 | 13.88 | 14.67 | 13.97 | 13.86 | 15.07 | 14.49 | 14.63 |
| STANDARD DEVIATION | 1.66 | 1.92 | 2.10 | 1.94 | 1.99 | 2.72 | 2.07 | 2.32 |
| NUMBER | 49 | 112 | 48 | 209 | 14 | 59 | 102 | 175 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4697.98 | 5734.14 | 7044.22 | 5763.66 | 4471.43 | 6667.95 | 6454.31 | 6373.97 |
| STANDARD DEVIATION | 2676.26 | 2525.98 | 2730.60 | 2716.24 | 2421.52 | 2933.87 | 2685.08 | 2799.95 |
| MEDIAN | 4125.00 | 5244.22 | 7266.33 | 5289.55 | 4500.00 | 6279.60 | 6800.00 | 6266.33 |
| NUMBER | 51 | 111 | 45 | 207 | 14 | 63 | 101 | 178 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 5.88 | 9.01 | 22.22 | 11.11 | 0.00 | 30.16 | 14.85 | 19.10 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 36.21 | 19.84 | 43.75 | 29.84 | 13.04 | 17.65 | 22.56 | 20.74 |
| PERCENT BLACK | 63.79 | 80.16 | 56.25 | 70.16 | 86.96 | 80.88 | 74.09 | 76.59 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 56.90 | 50.79 | 54.69 | 53.23 | 52.17 | 59.56 | 52.13 | 54.21 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.12 | 62.52 | 62.71 | 62.71 | 63.12 | 62.08 | 62.67 | 62.53 |
| STANDARD DEVIATION | 3.47 | 3.57 | 3.35 | 3.48 | 4.64 | 3.73 | 3.78 | 3.81 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.26 | 97.26 | 97.95 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.15 | 11.83 | 12.11 | 11.73 | 11.14 | 12.90 | 11.85 | 12.15 |
| STANDARD DEVIATION | 2.02 | 1.85 | 2.03 | 1.96 | 1.89 | 2.18 | 2.12 | 2.19 |
| NUMBER | 50 | 111 | 48 | 209 | 14 | 61 | 103 | 178 |
| PERCENT HS GRAD | 36.00 | 47.75 | 54.17 | 46.41 | 28.57 | 60.66 | 54.37 | 54.49 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 44.23 | 38.79 | 32.65 | 38.71 | 57.14 | 34.38 | 21.15 | 28.57 |
| NUMBER | 52 | 116 | 49 | 217 | 14 | 64 | 104 | 182 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 23.39 | 100.00 | 0.00 | 0.00 | 4.72 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 50.81 | 0.00 | 100.00 | 0.00 | 27.93 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 25.81 | 0.00 | 0.00 | 100.00 | 67.35 |

## Table C9-IIIK(PS)-28

### BACKGROUND VARIABLES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR EDC MODEL IN PHILADELPHIA, PA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 4 | 91 | 36 | 131 | 13 | 98 | 243 | 354 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 24.50 | 30.16 | 24.61 | 28.47 | 28.08 | 29.71 | 26.26 | 27.28 |
| STANDARD DEVIATION | 12.07 | 11.96 | 9.27 | 11.50 | 16.42 | 11.30 | 11.43 | 11.67 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.25 | 13.81 | 14.10 | 13.87 | 13.50 | 14.04 | 13.17 | 13.60 |
| STANDARD DEVIATION | 1.89 | 1.80 | 1.92 | 1.83 | 1.91 | 2.20 | 1.52 | 1.90 |
| NUMBER | 4 | 81 | 30 | 115 | 4 | 24 | 24 | 52 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 5799.75 | 5686.15 | 6292.68 | 5841.84 | 5325.00 | 6243.76 | 4621.74 | 5455.65 |
| STANDARD DEVIATION | 4399.68 | 2590.21 | 2955.23 | 2737.03 | 2611.99 | 2882.10 | 2554.67 | 2782.98 |
| MEDIAN | 2399.50 | 5266.33 | 6299.50 | 5640.30 | 6200.00 | 6200.00 | 3283.33 | 5300.00 |
| NUMBER | 4 | 80 | 28 | 112 | 4 | 25 | 23 | 52 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 25.00 | 10.00 | 17.86 | 12.50 | 0.00 | 24.00 | 0.00 | 11.54 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 5.49 | 2.78 | 4.58 | 0.00 | 3.06 | .41 | 1.13 |
| PERCENT BLACK | 100.00 | 94.51 | 97.22 | 95.42 | 100.00 | 94.90 | 95.47 | 95.48 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 75.00 | 51.65 | 55.56 | 53.44 | 53.85 | 60.20 | 53.50 | 55.37 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 61.85 | 62.10 | 62.36 | 62.16 | 61.81 | 61.50 | 62.15 | 61.96 |
| STANDARD DEVIATION | 3.44 | 3.47 | 3.36 | 3.41 | 4.07 | 3.45 | 3.63 | 3.60 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 98.98 | 96.30 | 97.18 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 10.95 | 11.82 | 11.72 | 11.76 | 11.46 | 12.18 | 11.25 | 11.71 |
| STANDARD DEVIATION | 0.00 | 1.74 | 2.15 | 1.82 | 1.02 | 1.31 | 1.56 | 1.46 |
| NUMBER | 4 | 81 | 30 | 115 | 4 | 25 | 23 | 52 |
| PERCENT HS GRAD | 0.00 | 45.68 | 46.67 | 44.35 | 25.00 | 52.00 | 26.09 | 38.46 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 50.00 | 45.88 | 41.94 | 45.00 | 25.00 | 42.31 | 54.17 | 46.30 |
| NUMBER | 4 | 85 | 31 | 120 | 4 | 26 | 24 | 54 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 3.05 | 100.00 | 0.00 | 0.00 | 3.67 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 69.47 | 0.00 | 100.00 | 0.00 | 27.68 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 27.48 | 0.00 | 0.00 | 100.00 | 68.64 |

Table C9-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR EDC MODEL IN BURLINGTON, VT

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 11 | 5 | 4 | 20 | 2 | 11 | 22 | 35 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 24.55 | 28.20 | 36.00 | 27.75 | 22.50 | 39.91 | 26.18 | 30.29 |
| STANDARD DEVIATION | 9.04 | 15.53 | 7.75 | 11.12 | 2.12 | 12.16 | 9.97 | 12.22 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.82 | 14.60 | 15.25 | 14.30 | 14.00 | 18.00 | 14.71 | 15.74 |
| STANDARD DEVIATION | 1.33 | 2.97 | 1.50 | 1.87 | 2.83 | 1.84 | 2.17 | 2.59 |
| NUMBER | 11 | 5 | 4 | 20 | 2 | 11 | 21 | 34 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 5327.18 | 5100.00 | 7600.00 | 5626.26 | 4300.00 | 9608.36 | 7099.76 | 7746.68 |
| STANDARD DEVIATION | 2856.44 | 2849.56 | 3304.54 | 2886.44 | 141.42 | 829.63 | 2304.25 | 2359.80 |
| MEDIAN | 4700.00 | 4825.00 | 9200.00 | 4950.25 | 4300.00 | 9961.69 | 7700.00 | 8200.00 |
| NUMBER | 11 | 5 | 3 | 19 | 2 | 11 | 21 | 34 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 9.09 | 0.00 | 0.00 | 5.26 | 0.00 | 72.73 | 23.81 | 38.24 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 90.91 | 100.00 | 100.00 | 95.00 | 100.00 | 100.00 | 95.45 | 97.14 |
| PERCENT BLACK | 9.09 | 0.00 | 0.00 | 5.00 | 0.00 | 0.00 | 4.55 | 2.86 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 54.55 | 40.00 | 75.00 | 55.00 | 50.00 | 36.36 | 59.09 | 51.43 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 62.33 | 63.89 | 64.49 | 63.15 | 73.05 | 63.54 | 64.12 | 64.45 |
| STANDARD DEVIATION | 3.97 | 3.17 | 2.17 | 3.48 | .82 | 4.22 | 3.54 | 4.21 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 10.65 | 11.17 | 12.49 | 11.15 | 11.98 | 15.60 | 11.33 | 12.66 |
| STANDARD DEVIATION | 2.53 | 2.07 | 1.02 | 2.23 | 1.45 | 2.13 | 2.49 | 3.02 |
| NUMBER | 11 | 5 | 4 | 20 | 2 | 10 | 21 | 33 |
| PERCENT HS GRAD | 36.36 | 40.00 | 75.00 | 45.00 | 50.00 | 90.00 | 42.86 | 57.58 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 27.27 | 40.00 | 25.00 | 30.00 | 100.00 | 0.00 | 19.05 | 17.65 |
| NUMBER | 11 | 5 | 4 | 20 | 2 | 11 | 21 | 34 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 55.00 | 100.00 | 0.00 | 0.00 | 5.71 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 25.00 | 0.00 | 100.00 | 0.00 | 31.43 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 20.00 | 0.00 | 0.00 | 100.00 | 62.86 |

Table C9-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR EDC MODEL IN LACKAWANNA CO., PA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 11 | 15 | 23 | 49 | 1 | 10 | 51 | 62 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 35.45 | 36.87 | 35.39 | 35.86 | 48.00 | 44.00 | 38.53 | 39.56 |
| STANDARD DEVIATION | 7.31 | 13.26 | 12.59 | 11.64 | 0.00 | 20.03 | 11.91 | 13.44 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.83 | 15.55 | 15.69 | 15.47 | 12.00 | 16.50 | 15.34 | 15.48 |
| STANDARD DEVIATION | 2.79 | 1.97 | 2.36 | 2.25 | 0.00 | 2.88 | 1.99 | 2.22 |
| NUMBER | 6 | 11 | 13 | 30 | 1 | 10 | 47 | 58 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 5249.83 | 6299.91 | 8522.69 | 7053.10 | 4700.00 | 7369.70 | 7562.02 | 7476.57 |
| STANDARD DEVIATION | 3268.81 | 1862.60 | 1450.53 | 2401.10 | 0.00 | 2919.38 | 2196.49 | 2324.33 |
| MEDIAN | 3800.00 | 5700.00 | 8700.00 | 7300.00 | 4700.00 | 8700.00 | 8000.00 | 8099.50 |
| NUMBER | 6 | 11 | 13 | 30 | 1 | 10 | 45 | 56 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 16.67 | 9.09 | 38.46 | 23.33 | 0.00 | 30.00 | 20.00 | 21.43 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PERCENT BLACK | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 63.64 | 40.00 | 52.17 | 51.02 | 0.00 | 80.00 | 43.14 | 48.39 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 62.85 | 63.03 | 62.89 | 62.93 | 63.25 | 67.00 | 63.51 | 64.07 |
| STANDARD DEVIATION | 2.40 | 3.26 | 3.56 | 3.18 | 0.00 | 1.39 | 3.32 | 3.32 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.98 | 13.36 | 12.98 | 12.92 | 10.95 | 13.49 | 12.89 | 12.96 |
| STANDARD DEVIATION | 1.12 | 1.51 | 1.84 | 1.63 | 0.00 | 3.05 | 1.34 | 1.74 |
| NUMBER | 6 | 11 | 13 | 30 | 1 | 10 | 47 | 58 |
| PERCENT HS GRAD | 50.00 | 90.91 | 69.23 | 73.33 | 0.00 | 70.00 | 85.11 | 81.03 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 33.33 | 9.09 | 7.69 | 13.33 | 100.00 | 10.00 | 2.13 | 5.17 |
| NUMBER | 6 | 11 | 13 | 30 | 1 | 10 | 47 | 58 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 22.45 | 100.00 | 0.00 | 0.00 | 1.61 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 30.61 | 0.00 | 100.00 | 0.00 | 16.13 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 46.94 | 0.00 | 0.00 | 100.00 | 82.26 |

## Table C9-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR EDC MODEL IN MORGAN COMM. SCH., DC

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 9 | 5 | 1 | 15 | 7 | 7 | 1 | 15 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 22.56 | 23.40 | 12.00 | 22.13 | 25.43 | 33.14 | 15.00 | 28.33 |
| STANDARD DEVIATION | 7.13 | 8.88 | 0.00 | 7.72 | 12.49 | 10.95 | 0.00 | 12.11 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.57 | 12.40 | 16.00 | 13.31 | 14.29 | 13.67 | 13.00 | 13.93 |
| STANDARD DEVIATION | 2.23 | .55 | 0.00 | 1.89 | 2.14 | 1.86 | 0.00 | 1.90 |
| NUMBER | 7 | 5 | 1 | 13 | 7 | 6 | 1 | 14 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4637.50 | 5759.80 | 7200.00 | 5221.36 | 4000.00 | 5200.00 | 2500.00 | 4460.00 |
| STANDARD DEVIATION | 2582.88 | 3592.48 | 0.00 | 2861.07 | 2920.05 | 1574.80 | 0.00 | 2317.57 |
| MEDIAN | 4000.00 | 3999.75 | 7200.00 | 4000.00 | 3800.00 | 5200.00 | 2500.00 | 4750.00 |
| NUMBER | 8 | 5 | 1 | 14 | 7 | 7 | 1 | 15 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 20.00 | 0.00 | 7.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT BLACK | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 55.56 | 60.00 | 0.00 | 53.33 | 57.14 | 57.14 | 0.00 | 53.33 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.32 | 61.97 | 63.85 | 62.91 | 62.68 | 60.97 | 58.06 | 61.58 |
| STANDARD DEVIATION | 3.20 | 4.32 | 0.00 | 3.41 | 2.98 | 4.51 | 0.00 | 3.77 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.60 | 11.46 | 10.95 | 11.51 | 10.75 | 12.32 | 10.95 | 11.44 |
| STANDARD DEVIATION | 1.79 | 1.02 | 0.00 | 1.47 | 2.53 | 1.06 | 0.00 | 2.00 |
| NUMBER | 8 | 4 | 1 | 13 | 7 | 6 | 1 | 14 |
| PERCENT HS GRAD | 50.00 | 25.00 | 0.00 | 38.46 | 28.57 | 66.67 | 0.00 | 42.86 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 55.56 | 20.00 | 100.00 | 46.67 | 57.14 | 42.86 | 0.00 | 46.67 |
| NUMBER | 9 | 5 | 1 | 15 | 7 | 7 | 1 | 15 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 60.00 | 100.00 | 0.00 | 0.00 | 46.67 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 33.33 | 0.00 | 100.00 | 0.00 | 46.67 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 6.67 | 0.00 | 0.00 | 100.00 | 6.67 |

Table C9-IIIK(PS)-28 (cont.)

## BACKGROUND VARIABLES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR EDC MODEL IN PATERSON, NJ

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 23 | 10 | 0 | 33 | 0 | 10 | 11 | 21 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 22.65 | 23.40 | 0.00 | 22.88 | 0.00 | 28.00 | 24.73 | 26.29 |
| STANDARD DEVIATION | 11.78 | 12.55 | 0.00 | 11.83 | 0.00 | 10.87 | 11.42 | 11.01 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 12.90 | 13.00 | 0.00 | 12.94 | 0.00 | 13.37 | 13.22 | 13.29 |
| STANDARD DEVIATION | .89 | 1.49 | 0.00 | 1.09 | 0.00 | 1.51 | 1.09 | 1.26 |
| NUMBER | 21 | 10 | 0 | 31 | 0 | 8 | 9 | 17 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4054.55 | 5800.00 | 0.00 | 4600.00 | 0.00 | 4819.80 | 4881.73 | 4852.24 |
| STANDARD DEVIATION | 2161.95 | 2292.02 | 0.00 | 2316.70 | 0.00 | 3019.85 | 2736.17 | 2801.44 |
| MEDIAN | 3900.00 | 5300.00 | 0.00 | 4300.00 | 0.00 | 4350.00 | 4300.00 | 4350.00 |
| NUMBER | 22 | 10 | 0 | 32 | 0 | 10 | 11 | 21 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.00 | 9.09 | 14.29 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.09 | 4.76 |
| PERCENT BLACK | 100.00 | 100.00 | 0.00 | 100.00 | 0.00 | 100.00 | 81.82 | 90.48 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 52.17 | 60.00 | 0.00 | 54.55 | 0.00 | 60.00 | 54.55 | 57.14 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.78 | 65.13 | 0.00 | 64.19 | 0.00 | 61.91 | 67.73 | 64.96 |
| STANDARD DEVIATION | 3.87 | 4.03 | 0.00 | 3.91 | 0.00 | 3.27 | 4.76 | 5.00 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 0.00 | 100.00 | 0.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.04 | 10.71 | 0.00 | 10.93 | 0.00 | 11.77 | 9.78 | 10.73 |
| STANDARD DEVIATION | 2.22 | 2.39 | 0.00 | 2.24 | 0.00 | 1.06 | 2.95 | 2.43 |
| NUMBER | 21 | 10 | 0 | 31 | 0 | 10 | 11 | 21 |
| PERCENT HS GRAD | 33.33 | 30.00 | 0.00 | 32.26 | 0.00 | 40.00 | 9.09 | 23.81 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 50.00 | 20.00 | 0.00 | 40.63 | 0.00 | 70.00 | 36.36 | 52.38 |
| NUMBER | 22 | 10 | 0 | 32 | 0 | 10 | 11 | 21 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 69.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 30.30 | 0.00 | 100.00 | 0.00 | 47.62 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 52.38 |

Table C9-IIIK(PS)-29

## MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR EDC MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 58 | 126 | 64 | 248 | 23 | 136 | 328 | 487 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 19.05 | 22.18 | 23.56 | 21.81 | 21.26 | 22.55 | 23.99 | 23.46 |
| STANDARD DEVIATION | 9.62 | 11.59 | 12.17 | 11.39 | 10.14 | 10.49 | 11.26 | 11.01 |
| SPELLING | | | | | | | | |
| MEAN | 13.78 | 15.89 | 16.67 | 15.60 | 13.52 | 19.08 | 20.20 | 19.57 |
| STANDARD DEVIATION | 11.38 | 12.95 | 12.18 | 12.40 | 12.58 | 12.17 | 12.95 | 12.78 |
| LANGUAGE | | | | | | | | |
| MEAN | 14.09 | 16.46 | 18.19 | 16.35 | 14.52 | 16.51 | 16.88 | 16.66 |
| STANDARD DEVIATION | 7.81 | 8.37 | 9.52 | 8.64 | 8.04 | 9.33 | 8.99 | 9.04 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 16.88 | 16.75 | 18.14 | 17.14 | 14.83 | 16.48 | 17.02 | 16.77 |
| STANDARD DEVIATION | 6.31 | 6.77 | 5.59 | 6.38 | 6.74 | 6.97 | 7.76 | 7.51 |
| RAVENS | | | | | | | | |
| MEAN | 17.95 | 17.83 | 18.44 | 18.02 | 16.87 | 17.95 | 17.84 | 17.83 |
| STANDARD DEVIATION | 4.17 | 4.89 | 4.23 | 4.56 | 4.09 | 4.56 | 4.92 | 4.78 |
| READING | | | | | | | | |
| MEAN | 14.86 | 16.76 | 18.42 | 16.75 | 15.96 | 16.95 | 17.49 | 17.26 |
| STANDARD DEVIATION | 5.82 | 6.76 | 7.51 | 6.85 | 7.93 | 7.47 | 8.00 | 7.85 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 14.41 | 15.99 | 17.37 | 15.98 | 14.26 | 16.23 | 16.95 | 16.62 |
| STANDARD DEVIATION | 6.83 | 7.69 | 7.74 | 7.55 | 7.83 | 7.23 | 8.30 | 8.00 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 12.21 | 12.03 | 13.39 | 12.42 | 9.83 | 12.68 | 13.22 | 12.91 |
| STANDARD DEVIATION | 5.91 | 6.14 | 5.98 | 6.05 | 4.84 | 6.81 | 7.08 | 6.94 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.09 | 36.05 | 37.17 | 36.35 | 32.65 | 36.55 | 35.77 | 35.84 |
| STANDARD DEVIATION | 7.44 | 7.68 | 6.87 | 7.41 | 8.08 | 7.59 | 7.17 | 7.36 |
| IARS(-) | | | | | | | | |
| MEAN | 9.67 | 10.14 | 11.08 | 10.27 | 9.09 | 9.76 | 10.24 | 10.06 |
| STANDARD DEVIATION | 3.01 | 2.74 | 2.67 | 2.83 | 3.49 | 2.92 | 2.77 | 2.86 |
| IARS(+) | | | | | | | | |
| MEAN | 12.38 | 13.10 | 13.39 | 13.00 | 12.13 | 12.75 | 13.08 | 12.94 |
| STANDARD DEVIATION | 2.51 | 2.42 | 2.34 | 2.44 | 2.62 | 2.58 | 2.34 | 2.43 |
| TOTAL READING | | | | | | | | |
| MEAN | 33.91 | 38.94 | 41.98 | 38.55 | 37.22 | 39.50 | 41.48 | 40.72 |
| STANDARD DEVIATION | 14.68 | 17.48 | 18.85 | 17.41 | 17.48 | 16.98 | 18.37 | 17.95 |
| TOTAL MATH | | | | | | | | |
| MEAN | 43.50 | 44.77 | 48.91 | 45.54 | 38.91 | 45.38 | 47.19 | 46.29 |
| STANDARD DEVIATION | 17.39 | 18.78 | 17.76 | 18.25 | 17.94 | 19.40 | 21.72 | 20.97 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.79 | 7.92 | 8.19 | 7.73 | 6.65 | 7.54 | 7.56 | 7.51 |
| STANDARD DEVIATION | 3.38 | 3.61 | 3.64 | 3.59 | 2.95 | 3.59 | 3.46 | 3.48 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 7.29 | 8.54 | 10.00 | 8.63 | 7.87 | 8.96 | 9.32 | 9.15 |
| STANDARD DEVIATION | 5.27 | 5.83 | 7.04 | 6.10 | 6.25 | 6.73 | 6.66 | 6.66 |

## Table C9-IIIK(PS)-30

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR EDC MODEL IN PHILADELPHIA, PA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 4 | 91 | 36 | 131 | 13 | 98 | 243 | 354 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 18.75 | 20.77 | 18.56 | 20.10 | 23.15 | 20.85 | 21.49 | 21.37 |
| STANDARD DEVIATION | 5.12 | 10.71 | 10.95 | 10.64 | 11.65 | 8.85 | 9.96 | 9.71 |
| SPELLING | | | | | | | | |
| MEAN | 11.75 | 14.54 | 13.06 | 14.05 | 15.46 | 18.91 | 18.72 | 18.66 |
| STANDARD DEVIATION | 13.82 | 12.38 | 12.11 | 12.27 | 14.76 | 11.30 | 12.98 | 12.58 |
| LANGUAGE | | | | | | | | |
| MEAN | 16.25 | 16.18 | 14.08 | 15.60 | 15.23 | 15.12 | 14.72 | 14.85 |
| STANDARD DEVIATION | 5.80 | 7.93 | 6.82 | 7.59 | 9.43 | 7.71 | 6.94 | 7.24 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 16.00 | 15.52 | 16.03 | 15.67 | 13.77 | 15.09 | 15.31 | 15.19 |
| STANDARD DEVIATION | 4.55 | 6.15 | 4.81 | 5.74 | 7.08 | 5.75 | 6.60 | 6.39 |
| RAVENS | | | | | | | | |
| MEAN | 16.75 | 17.75 | 16.78 | 17.45 | 16.54 | 17.17 | 17.00 | 17.03 |
| STANDARD DEVIATION | 1.50 | 4.50 | 3.80 | 4.26 | 3.69 | 4.31 | 4.67 | 4.53 |
| READING | | | | | | | | |
| MEAN | 13.00 | 15.52 | 15.28 | 15.37 | 17.54 | 15.43 | 15.49 | 15.55 |
| STANDARD DEVIATION | 2.45 | 6.17 | 5.34 | 5.86 | 9.82 | 5.12 | 6.39 | 6.21 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 11.75 | 15.18 | 13.81 | 14.69 | 14.38 | 15.13 | 15.41 | 15.29 |
| STANDARD DEVIATION | 1.50 | 7.37 | 5.57 | 6.83 | 8.71 | 6.09 | 7.56 | 7.21 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 9.00 | 10.85 | 11.06 | 10.85 | 9.85 | 11.72 | 11.67 | 11.62 |
| STANDARD DEVIATION | 3.56 | 5.17 | 4.79 | 5.01 | 5.52 | 5.23 | 5.89 | 5.70 |
| COOPERSMITH | | | | | | | | |
| MEAN | 30.50 | 35.95 | 36.31 | 35.88 | 32.31 | 35.74 | 35.63 | 35.54 |
| STANDARD DEVIATION | 7.94 | 7.39 | 5.63 | 6.98 | 9.10 | 7.36 | 7.17 | 7.30 |
| IARS(-) | | | | | | | | |
| MEAN | 9.25 | 9.97 | 10.75 | 10.16 | 8.85 | 9.81 | 9.81 | 9.77 |
| STANDARD DEVIATION | 3.30 | 2.85 | 2.81 | 2.85 | 3.26 | 2.90 | 2.69 | 2.77 |
| IARS(+) | | | | | | | | |
| MEAN | 12.75 | 13.12 | 12.75 | 13.01 | 12.31 | 12.80 | 12.87 | 12.83 |
| STANDARD DEVIATION | 1.89 | 2.36 | 2.33 | 2.33 | 2.53 | 2.57 | 2.34 | 2.41 |
| TOTAL READING | | | | | | | | |
| MEAN | 31.75 | 36.29 | 33.83 | 35.47 | 40.69 | 36.28 | 36.98 | 36.92 |
| STANDARD DEVIATION | 6.95 | 15.88 | 15.41 | 15.53 | 20.81 | 12.89 | 15.41 | 14.96 |
| TOTAL MATH | | | | | | | | |
| MEAN | 36.75 | 41.54 | 40.89 | 41.21 | 38.00 | 41.95 | 42.39 | 42.11 |
| STANDARD DEVIATION | 5.56 | 16.56 | 13.51 | 15.50 | 20.17 | 15.14 | 18.48 | 17.65 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.75 | 7.82 | 6.72 | 7.52 | 6.62 | 7.16 | 7.00 | 7.03 |
| STANDARD DEVIATION | .96 | 3.41 | 3.55 | 3.42 | 3.45 | 3.36 | 3.28 | 3.30 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.50 | 8.35 | 7.36 | 8.08 | 8.62 | 7.96 | 7.72 | 7.82 |
| STANDARD DEVIATION | 5.45 | 5.67 | 4.24 | 5.29 | 6.60 | 5.39 | 4.91 | 5.10 |

## Table C9-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR EDC MODEL IN BURLINGTON, VT

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 11 | 5 | 4 | 20 | 2 | 11 | 22 | 35 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 21.27 | 27.80 | 29.25 | 24.50 | 23.00 | 35.45 | 27.59 | 29.80 |
| STANDARD DEVIATION | 9.16 | 10.71 | 13.15 | 10.45 | 15.56 | 11.14 | 13.55 | 13.16 |
| SPELLING | | | | | | | | |
| MEAN | 14.09 | 17.80 | 19.50 | 16.10 | 11.50 | 27.55 | 19.18 | 21.37 |
| STANDARD DEVIATION | 11.90 | 12.36 | 8.58 | 11.13 | 9.19 | 10.59 | 12.18 | 12.18 |
| LANGUAGE | | | | | | | | |
| MEAN | 11.18 | 13.40 | 17.75 | 13.05 | 11.50 | 25.09 | 16.55 | 18.94 |
| STANDARD DEVIATION | 5.81 | 3.78 | 6.95 | 5.92 | 3.54 | 13.57 | 8.53 | 10.90 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 15.91 | 23.00 | 21.50 | 18.80 | 14.50 | 21.55 | 14.45 | 16.69 |
| STANDARD DEVIATION | 8.61 | 9.67 | 5.80 | 8.66 | 6.36 | 9.52 | 7.23 | 8.44 |
| RAVENS | | | | | | | | |
| MEAN | 17.64 | 16.80 | 22.25 | 18.35 | 17.00 | 23.36 | 19.77 | 20.74 |
| STANDARD DEVIATION | 4.50 | 4.09 | 2.50 | 4.39 | 5.66 | 2.42 | 4.40 | 4.27 |
| READING | | | | | | | | |
| MEAN | 14.82 | 20.40 | 22.25 | 17.70 | 16.00 | 27.18 | 19.68 | 21.83 |
| STANDARD DEVIATION | 6.16 | 6.58 | 10.90 | 7.68 | 8.49 | 10.80 | 11.32 | 11.39 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 15.00 | 19.60 | 22.00 | 17.55 | 15.50 | 21.82 | 16.09 | 17.86 |
| STANDARD DEVIATION | 9.07 | 7.23 | 7.44 | 8.49 | 13.44 | 8.30 | 8.06 | 8.55 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 13.36 | 18.40 | 15.25 | 15.00 | 13.00 | 18.55 | 12.00 | 14.11 |
| STANDARD DEVIATION | 7.59 | 6.43 | 6.40 | 7.08 | 5.66 | 10.43 | 6.91 | 8.47 |
| COOPERSMITH | | | | | | | | |
| MEAN | 32.55 | 32.00 | 40.25 | 33.95 | 34.50 | 38.36 | 34.82 | 35.91 |
| STANDARD DEVIATION | 8.25 | 7.78 | 5.74 | 8.02 | 9.19 | 6.61 | 6.20 | 6.47 |
| IARS(-) | | | | | | | | |
| MEAN | 9.82 | 10.40 | 9.50 | 9.90 | 14.00 | 9.55 | 11.05 | 10.74 |
| STANDARD DEVIATION | 3.37 | 2.88 | 1.00 | 2.83 | 1.41 | 3.45 | 2.44 | 2.89 |
| IARS(+) | | | | | | | | |
| MEAN | 11.64 | 12.40 | 12.25 | 11.95 | 9.00 | 12.64 | 12.95 | 12.63 |
| STANDARD DEVIATION | 2.66 | 2.41 | 3.30 | 2.61 | 2.83 | 2.80 | 2.48 | 2.68 |
| TOTAL READING | | | | | | | | |
| MEAN | 36.09 | 48.20 | 51.50 | 42.20 | 39.00 | 62.64 | 47.27 | 51.63 |
| STANDARD DEVIATION | 14.51 | 16.62 | 22.87 | 17.34 | 24.04 | 21.56 | 23.72 | 23.71 |
| TOTAL MATH | | | | | | | | |
| MEAN | 44.27 | 61.00 | 58.75 | 51.35 | 43.00 | 61.91 | 42.55 | 48.66 |
| STANDARD DEVIATION | 24.05 | 22.63 | 14.15 | 22.56 | 25.46 | 27.09 | 20.95 | 24.27 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 5.91 | 8.00 | 9.75 | 7.20 | 9.00 | 10.00 | 8.05 | 8.71 |
| STANDARD DEVIATION | 3.39 | 2.55 | 2.87 | 3.35 | 0.00 | 3.79 | 3.23 | 3.39 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 5.27 | 5.40 | 8.00 | 5.85 | 2.50 | 15.09 | 8.50 | 10.23 |
| STANDARD DEVIATION | 3.58 | 2.19 | 5.66 | 3.75 | 3.54 | 10.44 | 6.53 | 8.4[illegible] |

## Table C9-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR EDC MODEL IN LACKAWANNA CO., PA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 11 | 15 | 23 | 49 | 1 | 10 | 51 | 62 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 29.09 | 35.67 | 31.22 | 32.10 | 15.00 | 31.80 | 35.39 | 34.48 |
| STANDARD DEVIATION | 7.05 | 8.25 | 9.28 | 8.72 | 0.00 | 11.46 | 8.30 | 9.16 |
| SPELLING | | | | | | | | |
| MEAN | 24.00 | 28.07 | 22.57 | 24.57 | 16.00 | 26.60 | 28.82 | 28.26 |
| STANDARD DEVIATION | 8.28 | 10.83 | 10.48 | 10.23 | 0.00 | 12.02 | 9.40 | 9.84 |
| LANGUAGE | | | | | | | | |
| MEAN | 23.91 | 24.60 | 24.78 | 24.53 | 29.00 | 25.30 | 28.31 | 27.84 |
| STANDARD DEVIATION | 7.52 | 9.05 | 10.28 | 9.17 | 0.00 | 12.17 | 9.77 | 10.06 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 23.73 | 23.73 | 21.17 | 22.53 | 30.00 | 27.20 | 27.00 | 27.08 |
| STANDARD DEVIATION | 5.64 | 6.42 | 5.18 | 5.71 | 0.00 | 6.71 | 6.04 | 6.06 |
| RAVENS | | | | | | | | |
| MEAN | 20.45 | 22.07 | 20.74 | 21.08 | 22.00 | 21.80 | 21.37 | 21.45 |
| STANDARD DEVIATION | 3.56 | 4.17 | 3.41 | 3.67 | 0.00 | 5.12 | 4.07 | 4.18 |
| READING | | | | | | | | |
| MEAN | 20.27 | 25.07 | 23.00 | 23.02 | 13.00 | 26.10 | 26.47 | 26.19 |
| STANDARD DEVIATION | 5.97 | 5.31 | 7.53 | 6.68 | 0.00 | 10.17 | 7.46 | 7.99 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 20.82 | 22.27 | 22.70 | 22.14 | 18.00 | 25.90 | 25.69 | 25.60 |
| STANDARD DEVIATION | 6.68 | 7.53 | 7.31 | 7.13 | 0.00 | 8.09 | 6.68 | 6.87 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 17.36 | 18.67 | 17.04 | 17.61 | 14.00 | 20.50 | 22.08 | 21.69 |
| STANDARD DEVIATION | 5.89 | 7.31 | 5.87 | 6.25 | 0.00 | 10.23 | 6.04 | 6.83 |
| COOPERSMITH | | | | | | | | |
| MEAN | 37.82 | 38.53 | 37.61 | 37.94 | 44.00 | 43.50 | 37.82 | 38.84 |
| STANDARD DEVIATION | 7.48 | 8.32 | 8.57 | 8.10 | 0.00 | 4.58 | 7.06 | 6.99 |
| IARS(-) | | | | | | | | |
| MEAN | 11.64 | 11.47 | 12.17 | 11.84 | 13.00 | 9.40 | 11.67 | 11.32 |
| STANDARD DEVIATION | 2.73 | 2.45 | 1.90 | 2.25 | 0.00 | 3.63 | 2.61 | 2.88 |
| IARS(+) | | | | | | | | |
| MEAN | 13.55 | 14.20 | 14.48 | 14.18 | 15.00 | 12.20 | 14.43 | 14.08 |
| STANDARD DEVIATION | 1.92 | 1.78 | 1.75 | 1.80 | 0.00 | 3.65 | 1.71 | 2.25 |
| TOTAL READING | | | | | | | | |
| MEAN | 49.36 | 60.73 | 54.22 | 55.12 | 28.00 | 57.90 | 61.86 | 60.68 |
| STANDARD DEVIATION | 12.66 | 12.34 | 15.99 | 14.59 | 0.00 | 20.32 | 14.57 | 15.96 |
| TOTAL MATH | | | | | | | | |
| MEAN | 61.91 | 64.67 | 60.91 | 62.29 | 62.00 | 73.60 | 74.76 | 74.37 |
| STANDARD DEVIATION | 16.31 | 19.74 | 16.72 | 17.32 | 0.00 | 24.09 | 16.63 | 17.75 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 10.45 | 10.93 | 10.26 | 10.51 | 8.00 | 10.50 | 10.57 | 10.52 |
| STANDARD DEVIATION | 2.94 | 3.13 | 2.88 | 2.92 | 0.00 | 2.99 | 2.70 | 2.72 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 13.45 | 13.67 | 14.52 | 14.02 | 21.00 | 14.80 | 17.75 | 17.32 |
| STANDARD DEVIATION | 5.65 | 6.62 | 8.68 | 7.36 | 0.00 | 10.28 | 8.08 | 8.40 |

Table C9-IIIK(PS)-30 (cont.)

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR EDC MODEL IN MORGAN COMM. SCH., DC

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 9 | 5 | 1 | 15 | 7 | 7 | 1 | 15 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 15.33 | 13.20 | 5.00 | 13.93 | 18.14 | 21.86 | 13.00 | 19.53 |
| STANDARD DEVIATION | 9.66 | 2.39 | 0.00 | 7.88 | 6.20 | 9.87 | 0.00 | 8.06 |
| SPELLING | | | | | | | | |
| MEAN | 10.11 | 6.40 | 0.00 | 8.20 | 10.14 | 12.57 | 6.00 | 11.00 |
| STANDARD DEVIATION | 12.04 | 5.03 | 0.00 | 9.92 | 10.32 | 14.51 | 0.00 | 11.80 |
| LANGUAGE | | | | | | | | |
| MEAN | 11.22 | 11.80 | 16.00 | 11.73 | 12.00 | 17.29 | 11.00 | 14.40 |
| STANDARD DEVIATION | 5.65 | 4.15 | 0.00 | 4.96 | 3.27 | 8.81 | 0.00 | 6.76 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 15.56 | 16.00 | 11.00 | 15.40 | 14.71 | 15.14 | 14.00 | 14.87 |
| STANDARD DEVIATION | 5.00 | 2.55 | 0.00 | 4.21 | 4.31 | 6.01 | 0.00 | 4.85 |
| RAVENS | | | | | | | | |
| MEAN | 15.78 | 12.40 | 10.00 | 14.27 | 16.71 | 15.71 | 21.00 | 16.53 |
| STANDARD DEVIATION | 4.63 | 5.55 | 0.00 | 5.01 | 4.92 | 3.40 | 0.00 | 4.14 |
| READING | | | | | | | | |
| MEAN | 12.67 | 13.00 | 11.00 | 12.67 | 13.43 | 15.57 | 16.00 | 14.60 |
| STANDARD DEVIATION | 3.61 | 3.94 | 0.00 | 3.48 | 3.36 | 7.41 | 0.00 | 5.45 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 12.44 | 12.60 | 5.00 | 12.00 | 13.14 | 15.57 | 9.00 | 14.00 |
| STANDARD DEVIATION | 4.95 | 6.66 | 0.00 | 5.52 | 6.23 | 7.66 | 0.00 | 6.72 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 10.67 | 9.00 | 6.00 | 9.80 | 8.29 | 11.29 | 4.00 | 9.40 |
| STANDARD DEVIATION | 4.87 | 4.42 | 0.00 | 4.57 | 3.25 | 5.06 | 0.00 | 4.47 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.78 | 40.80 | 46.00 | 38.73 | 31.14 | 35.29 | 25.00 | 32.67 |
| STANDARD DEVIATION | 6.74 | 5.07 | 0.00 | 6.41 | 5.87 | 11.37 | 0.00 | 8.89 |
| IARS(-) | | | | | | | | |
| MEAN | 10.00 | 11.00 | 4.00 | 9.93 | 7.57 | 9.57 | 7.00 | 8.47 |
| STANDARD DEVIATION | 2.35 | 1.87 | 0.00 | 2.66 | 3.10 | 2.94 | 0.00 | 3.00 |
| IARS(+) | | | | | | | | |
| MEAN | 12.89 | 14.00 | 16.00 | 13.47 | 12.29 | 12.57 | 15.00 | 12.60 |
| STANDARD DEVIATION | .93 | 2.35 | 0.00 | 1.68 | 2.50 | 1.90 | 0.00 | 2.16 |
| TOTAL READING | | | | | | | | |
| MEAN | 28.00 | 26.20 | 16.00 | 26.60 | 31.57 | 37.43 | 29.00 | 34.13 |
| STANDARD DEVIATION | 12.55 | 5.89 | 0.00 | 10.45 | 8.90 | 16.57 | 0.00 | 12.74 |
| TOTAL MATH | | | | | | | | |
| MEAN | 38.67 | 37.60 | 22.00 | 37.20 | 36.14 | 42.00 | 27.00 | 38.27 |
| STANDARD DEVIATION | 12.65 | 12.54 | 0.00 | 12.42 | 12.39 | 16.23 | 0.00 | 14.03 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 5.33 | 5.40 | 7.00 | 5.47 | 5.86 | 7.29 | 4.00 | 6.40 |
| STANDARD DEVIATION | 2.55 | 1.82 | 0.00 | 2.20 | 2.27 | 4.57 | 0.00 | 3.48 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 5.89 | 6.40 | 9.00 | 6.27 | 6.14 | 10.00 | 7.00 | 8.00 |
| STANDARD DEVIATION | 3.52 | 2.88 | 0.00 | 3.17 | 3.34 | 5.63 | 0.00 | 4.71 |

Table C9-IIIK(PS)-30 (cont.)

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR EDC MODEL IN PATERSON, NJ

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 23 | 10 | 0 | 33 | 0 | 10 | 11 | 21 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 14.70 | 16.50 | 0.00 | 15.24 | 0.00 | 16.30 | 20.09 | 18.29 |
| STANDARD DEVIATION | 7.95 | 11.69 | 0.00 | 9.09 | 0.00 | 9.87 | 12.08 | 10.98 |
| SPELLING | | | | | | | | |
| MEAN | 10.52 | 13.70 | 0.00 | 11.48 | 0.00 | 8.50 | 16.18 | 12.52 |
| STANDARD DEVIATION | 9.56 | 14.49 | 0.00 | 11.14 | 0.00 | 11.38 | 13.67 | 12.93 |
| LANGUAGE | | | | | | | | |
| MEAN | 11.52 | 10.70 | 0.00 | 11.27 | 0.00 | 11.30 | 12.64 | 12.00 |
| STANDARD DEVIATION | 6.10 | 6.18 | 0.00 | 6.04 | 0.00 | 5.72 | 6.79 | 6.18 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 14.74 | 14.70 | 0.00 | 14.73 | 0.00 | 14.70 | 14.09 | 14.38 |
| STANDARD DEVIATION | 3.68 | 5.25 | 0.00 | 4.13 | 0.00 | 4.11 | 4.41 | 4.18 |
| RAVENS | | | | | | | | |
| MEAN | 17.96 | 15.50 | 0.00 | 17.21 | 0.00 | 17.30 | 16.00 | 16.62 |
| STANDARD DEVIATION | 4.08 | 5.38 | 0.00 | 4.57 | 0.00 | 2.95 | 6.75 | 5.21 |
| READING | | | | | | | | |
| MEAN | 13.48 | 15.70 | 0.00 | 14.15 | 0.00 | 12.40 | 15.73 | 14.14 |
| STANDARD DEVIATION | 5.43 | 6.09 | 0.00 | 5.64 | 0.00 | 3.81 | 6.08 | 5.28 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 12.30 | 13.90 | 0.00 | 12.79 | 0.00 | 11.60 | 12.82 | 12.24 |
| STANDARD DEVIATION | 5.09 | 7.49 | 0.00 | 5.85 | 0.00 | 4.79 | 5.81 | 5.25 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 10.35 | 11.20 | 0.00 | 10.61 | 0.00 | 8.70 | 9.45 | 9.10 |
| STANDARD DEVIATION | 4.22 | 5.47 | 0.00 | 4.56 | 0.00 | 4.27 | 5.54 | 4.87 |
| COOPERSMITH | | | | | | | | |
| MEAN | 37.65 | 32.90 | 0.00 | 36.21 | 0.00 | 36.40 | 32.45 | 34.33 |
| STANDARD DEVIATION | 6.75 | 9.17 | 0.00 | 7.74 | 0.00 | 7.63 | 7.78 | 7.78 |
| IARS(-) | | | | | | | | |
| MEAN | 8.61 | 9.20 | 0.00 | 8.79 | 0.00 | 10.10 | 11.91 | 11.05 |
| STANDARD DEVIATION | 2.87 | 2.04 | 0.00 | 2.63 | 0.00 | 2.33 | 2.95 | 2.77 |
| IARS(+) | | | | | | | | |
| MEAN | 11.91 | 11.10 | 0.00 | 11.67 | 0.00 | 13.10 | 11.64 | 12.33 |
| STANDARD DEVIATION | 3.06 | 2.96 | 0.00 | 3.01 | 0.00 | 1.79 | 2.29 | 2.15 |
| TOTAL READING | | | | | | | | |
| MEAN | 28.17 | 32.20 | 0.00 | 29.39 | 0.00 | 28.70 | 35.82 | 32.43 |
| STANDARD DEVIATION | 12.44 | 17.27 | 0.00 | 13.92 | 0.00 | 11.98 | 17.57 | 15.24 |
| TOTAL MATH | | | | | | | | |
| MEAN | 37.39 | 39.80 | 0.00 | 38.12 | 0.00 | 35.00 | 36.36 | 35.71 |
| STANDARD DEVIATION | 10.51 | 16.90 | 0.00 | 12.55 | 0.00 | 11.21 | 14.05 | 12.48 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 5.87 | 5.50 | 0.00 | 5.76 | 0.00 | 5.80 | 5.36 | 5.57 |
| STANDARD DEVIATION | 2.99 | 4.45 | 0.00 | 3.43 | 0.00 | 3.22 | 3.56 | 3.33 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 5.65 | 5.20 | 0.00 | 5.52 | 0.00 | 5.50 | 7.27 | 6.43 |
| STANDARD DEVIATION | 4.26 | 3.65 | 0.00 | 4.03 | 0.00 | 3.03 | 4.69 | 3.99 |

### Table C9-IIEF-1

### ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT II ENTERING FIRST SITES IN THE EDC MODEL

| | LAUREL, DE | | | JOHNSTON CO., NC | | |
|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match |
| **AMERICAN INDIAN** | | | | | | |
| Percent | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Number | 1 | 0 | 0 | 0 | 0 | 0 |
| **BLACK** | | | | | | |
| Percent | 27.4 | 17.1 | 14.5 | 50.5 | 14.5 | 82.5 |
| Number | 31 | 20 | 9 | 51 | 9 | 85 |
| **ORIENTAL** | | | | | | |
| Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Number | 0 | 0 | 0 | 0 | 0 | 0 |
| **MEXICAN AMERICAN** | | | | | | |
| Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Number | 0 | 0 | 0 | 0 | 0 | 0 |
| **PUERTO RICAN** | | | | | | |
| Percent | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Number | 1 | 0 | 0 | 0 | 0 | 0 |
| **OTHER SPANISH SURNAME** | | | | | | |
| Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Number | 0 | 0 | 0 | 0 | 0 | 0 |
| **WHITE** | | | | | | |
| Percent | 70.8 | 81.2 | 85.5 | 49.5 | 85.5 | 17.5 |
| Number | 80 | 95 | 53 | 50 | 53 | 18 |
| **OTHER** | | | | | | |
| Percent | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| Number | 0 | 2 | 0 | 0 | 0 | 0 |
| **BEST MATCHED SITE** | Johnston Co., NC | | | Chattanooga, TN | | |

Table C9-IIEF-2

### DISTRIBUTION OF BACKGROUND VARIABLES COHORT II ENTERING FIRST SITES IN THE EDC MODEL

| | SPONSOR'S SITES | | | LAUREL, DE | | | JOHNSTON CO., NC | | |
|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE Number | — | — | — | 113 | 117 | 62 | 101 | 62 | 103 |
| FALL KINDERGARTEN WRAT Mean Score | 35.1 | 42.0 | — | 38.1 | 43.5 | 40.6 | 32.1 | 40.6 | 29.4 |
| PERCENT WITH PRESCHOOL | 84 | 66 | — | 100 | 99 | 33 | 69 | 33 | 65 |
| Number Responding | — | — | — | 113 | 116 | 61 | 90 | 61 | 77 |
| CHILDREN'S ETHNICITY | | | | | | | | | |
| Percent Black | 39 | 16 | — | 27 | 17 | 15 | 51 | 15 | 83 |
| Percent White | 60 | 83 | — | 71 | 81 | 85 | 50 | 85 | 17 |
| Percent Other | 1 | 1 | — | 2 | 2 | 0 | 0 | 0 | 0 |
| MEDIAN FAMILY INCOME | 5682 | 8125 | — | 7313 | 9562 | 6687 | 4050 | 6687 | 4334 |
| Number Responding | — | — | — | 83 | 108 | 55 | 74 | 55 | 59 |
| MOTHER'S EDUCATION | | | | | | | | | |
| Percent H.S. Graduates | 38 | 54 | — | 47 | 64 | 44 | 30 | 44 | 18 |
| Number Responding | — | — | — | 86 | 110 | 57 | 71 | 57 | 56 |
| FEMALE HEADS OF HOUSEHOLD Percent | 24 | 14 | — | 21 | 13 | 15 | 28 | 15 | 41 |
| BEST MATCHED SITE | | | | Johnston Co., NC | | | Chattanooga, TN | | |

## Table C9-IIEF-3

## TEACHER BACKGROUND CHARACTERISTICS FOR COHORT II-E SITES IN EDC MODEL

| | Laurel, DE | | Johnston Co., NC | |
|---|---|---|---|---|
| | FT | NFT | FT | NFT |
| **YEARS OF ELEMENTARY TEACHING EXPERIENCE** | | | | |
| Mean | 15.00 | 6.87 | 10.16 | 17.90 |
| Standard Deviation | 12.03 | 6.53 | 10.14 | 11.03 |
| N | 6 | 8 | 6 | 10 |
| **YEARS IN SCHOOL** | | | | |
| Mean | 14.00 | 4.87 | 4.50 | 15.10 |
| Standard Deviation | 11.11 | 4.51 | 4.50 | 11.77 |
| N | 6 | 8 | 6 | 10 |
| **YEARS IN MODEL** | | | | |
| Mean | 3.00 | 0 | 2.00 | 0 |
| Standard Deviation | 1.22 | 0 | 1.09 | 0 |
| N | 5 | 0 | 6 | 0 |
| **TEACHER'S EDUCATION** | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 |
| % with B.A. | 66.7 | 75.0 | 83.3 | 100.0 |
| % Some Graduate | 33.3 | 25.0 | 0 | 0 |
| % M.A. or More | 0 | 0 | 16.7 | 0 |
| N | 6 | 8 | 6 | 9 |
| **TEACHER'S CERTIFICATION** | | | | |
| % None | 0 | 0 | 0 | 0 |
| % Temporary | 0 | 12.5 | 0 | 0 |
| % Renewable/Permanent | 100.0 | 87.5 | 100.0 | 100.0 |
| N | 5 | 8 | 6 | 10 |
| **TEACHER'S ETHNICITY** | | | | |
| % White | 83.3 | 87.5 | 83.3 | 90.0 |
| % Black | 16.7 | 12.5 | 16.7 | 10.0 |
| % Spanish Surname | 0 | 0 | 0 | 0 |
| % Other | 0 | 0 | 0 | 0 |
| N | 6 | 8 | 6 | 10 |
| **AGE IN YEARS** | | | | |
| Mean | 39.83 | 31.28 | 35.50 | 44.66 |
| Standard Deviation | 10.59 | 12.77 | 13.86 | 12.49 |
| N | 6 | 7 | 6 | 9 |

Table C9-IIEF-4

STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1973)
FOR THE COHORT II ENTERING FIRST SITES
IN THE EDC MODEL

| | SPONSOR'S SITES | | | LAUREL, DE | | | JOHNSTON CO., NC | | |
|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| TEACHER CENTERED | 41.5 | 47.1 | — | 46.6 | 47.3 | 46.9 | 36.4 | 46.9 | 51.5 |
| Number | 2 | 2 | — | 6 | 8 | 10 | 6 | 10 | 14 |
| Local Mean Difference | -5.6 | — | — | — | — | — | -10.5 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -15.1 | — | — |
| FLEXIBLE CLASSROOM | 56.2 | 50.8 | — | 48.6 | 48.3 | 53.2 | 63.8 | 53.2 | 45.1 |
| Number | 2 | 2 | — | 6 | 8 | 10 | 6 | 10 | 15 |
| Local Mean Difference | 5.4 | — | — | — | — | — | 10.6 | — | — |
| Best Match Mean Difference | — | — | — | -4.6 | — | — | 18.7 | — | — |
| INDIVIDUALIZATION | 52.4 | 46.8 | — | 45.7 | 46.9 | 46.7 | 59.1 | 46.7 | 50.4 |
| Number | 2 | 2 | — | 6 | 8 | 10 | 6 | 10 | 18 |
| Local Mean Difference | 5.6 | — | — | — | — | — | 12.4 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 8.7 | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 44.8 | 47.2 | — | 44.5 | 45.3 | 49.0 | 45.2 | 49.0 | 52.5 |
| Number | 2 | 2 | — | 6 | 8 | 10 | 6 | 10 | 18 |
| Local Mean Difference | — | — | — | — | — | — | -3.9 | — | — |
| Best Match Mean Difference | — | — | — | -4.5 | — | — | -7.3 | — | — |
| SATISFACTION WITH SPONSOR | 52.3 | 41.6 | — | 45.6 | 39.9 | 43.2 | 58.9 | 43.2 | 46.7 |
| Number | 2 | 2 | — | 6 | 4 | 7 | 6 | 7 | 11 |
| Local Mean Difference | 10.7 | — | — | 5.7 | — | — | 15.7 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 12.2 | — | — |
| BEST MATCHED SITE | | | | Johnston Co., NC | | | Chattanooga, TN | | |

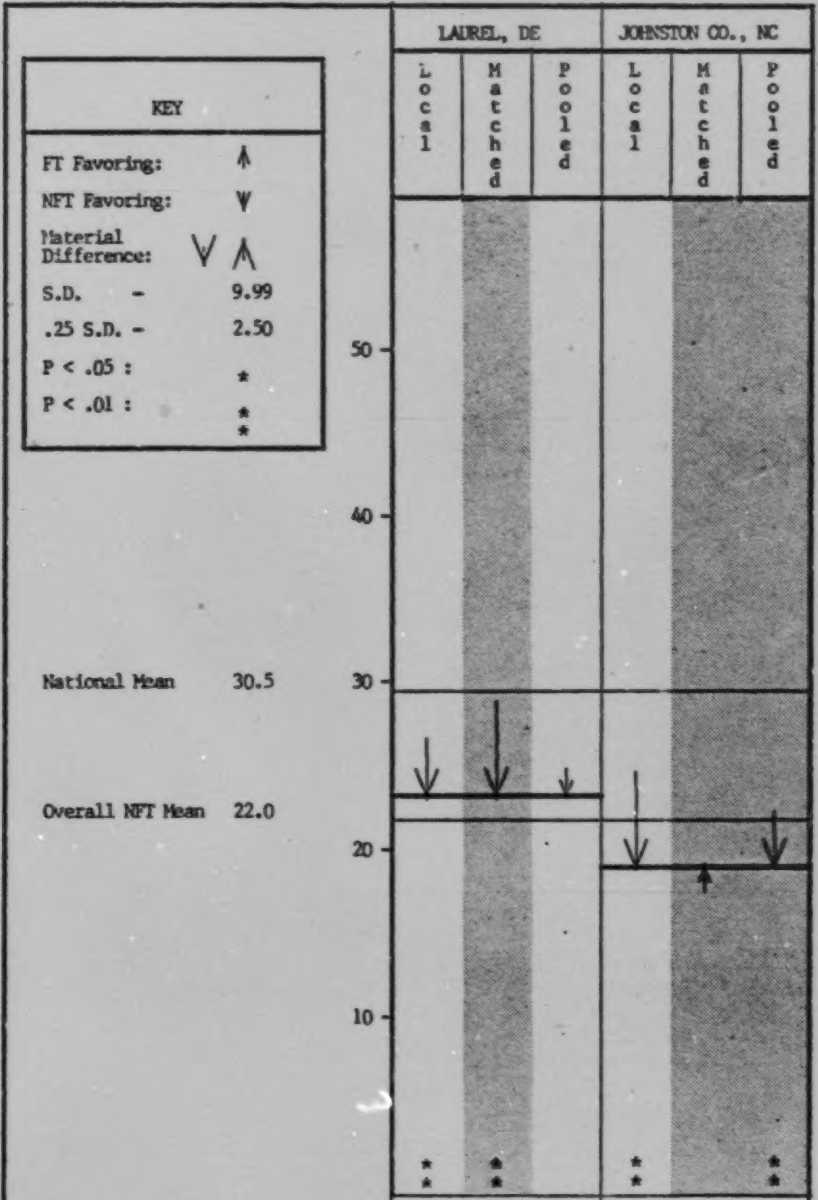
## Table C9-IIEF-5

STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1973)
FOR THE COHORT II ENTERING FIRST SITES
IN THE EDC MODEL

| | SPONSOR'S SITES | | | LAUREL, DE | | | JOHNSTON CO., NC | | |
|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 52.8 | 51.4 | — | 55.8 | 55.7 | 47.4 | 49.9 | 47.4 | 51.0 |
| Number | 2 | 2 | — | 82 | 110 | 60 | 75 | 60 | 54 |
| Local Mean Difference | — | — | — | — | — | — | 2.8 | — | — |
| Best Match Mean Difference | — | — | — | 8.8 | — | — | — | — | — |
| SCHOOL HELPED CHILD | 50.8 | 50.8 | — | 49.0 | 49.2 | 52.4 | 52.6 | 52.4 | 44.9 |
| Number | 2 | 2 | — | 82 | 110 | 60 | 75 | 60 | 54 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -3.4 | — | — | 7.7 | — | — |
| FAC INVOLVEMENT | 54.5 | 45.7 | — | 53.1 | 46.4 | 45.0 | 55.9 | 45.0 | 49.1 |
| Number | 2 | 2 | — | 82 | 104 | 56 | 71 | 56 | 51 |
| Local Mean Difference | 8.8 | — | — | 6.7 | — | — | 10.9 | — | — |
| Best Match Mean Difference | — | — | — | 8.1 | — | — | 6.8 | — | — |
| CHILD READS AT HOME | 50.9 | 48.3 | — | 50.1 | 47.2 | 49.4 | 51.8 | 49.4 | 50.9 |
| Number | 2 | 2 | — | 82 | 110 | 60 | 75 | 60 | 54 |
| Local Mean Difference | 2.6 | — | — | 2.9 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — |
| CHILD'S PROG IN SCHOOL | 47.0 | 51.4 | — | 48.2 | 52.2 | 50.7 | 45.7 | 50.7 | 46.8 |
| Number | 2 | 2 | — | 82 | 110 | 60 | 75 | 60 | 54 |
| Local Mean Difference | -4.5 | — | — | -4.0 | — | — | -5.0 | — | — |
| Best Match Mean Difference | — | — | — | -2.5 | — | — | — | — | — |
| CHILD READ TO AT HOME | 50.1 | 48.2 | — | 49.5 | 48.5 | 47.8 | 50.6 | 47.8 | 54.5 |
| Number | 2 | 2 | — | 82 | 110 | 60 | 75 | 60 | 54 |
| Local Mean Difference | — | — | — | — | — | — | 2.9 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -3.9 | — | — |
| PARENT VISITS TO SCHOOL | 52.0 | 48.7 | — | 49.8 | 49.6 | 47.9 | 54.1 | 47.9 | 51.5 |
| Number | 2 | 2 | — | 82 | 110 | 60 | 75 | 60 | 54 |
| Local Mean Difference | 3.2 | — | — | — | — | — | 6.2 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 2.6 | — | — |
| CHILD'S EMOT ADJUST | 48.6 | 48.0 | — | 44.3 | 45.1 | 50.8 | 52.9 | 50.8 | 50.9 |
| Number | 2 | 2 | — | 82 | 110 | 60 | 75 | 60 | 54 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -6.5 | — | — | — | — | — |
| SCH HELPED WITH CHILD | 50.7 | 47.0 | — | 45.8 | 45.1 | 48.9 | 55.6 | 48.9 | 49.4 |
| Number | 2 | 2 | — | 82 | 110 | 60 | 75 | 60 | 54 |
| Local Mean Difference | 3.7 | — | — | — | — | — | 6.7 | — | — |
| Best Match Mean Difference | — | — | — | -3.1 | — | — | 6.3 | — | — |
| SCHOOL'S RECEPTIVITY | 48.5 | 49.0 | — | 47.1 | 48.8 | 49.2 | 49.9 | 49.2 | 45.9 |
| Number | 2 | 2 | — | 82 | 110 | 60 | 75 | 60 | 54 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 3.9 | — | — |
| PARENT LOCUS | 48.5 | 47.3 | — | 46.8 | 45.6 | 49.1 | 50.4 | 49.1 | 51.0 |
| Number | 2 | 2 | — | 82 | 110 | 60 | 75 | 60 | 54 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — |
| SCH HELPED PERSONALLY | 51.1 | 48.0 | — | 48.3 | 47.9 | 48.0 | 53.8 | 48.0 | 48.8 |
| Number | 2 | 2 | — | 82 | 110 | 60 | 75 | 60 | 54 |
| Local Mean Difference | 3.1 | — | — | — | — | — | 5.8 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 5.0 | — | — |
| PARENT-CHILD INTERACTION | 50.6 | 49.2 | — | 50.4 | 48.1 | 50.3 | 51.0 | 50.3 | 50.1 |
| Number | 2 | 2 | — | 82 | 110 | 60 | 75 | 60 | 54 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — |
| BEST MATCHED SITE | | | | Johnston Co., NC | | | Chattanooga, TN | | |

## Table C9-IIEF-7

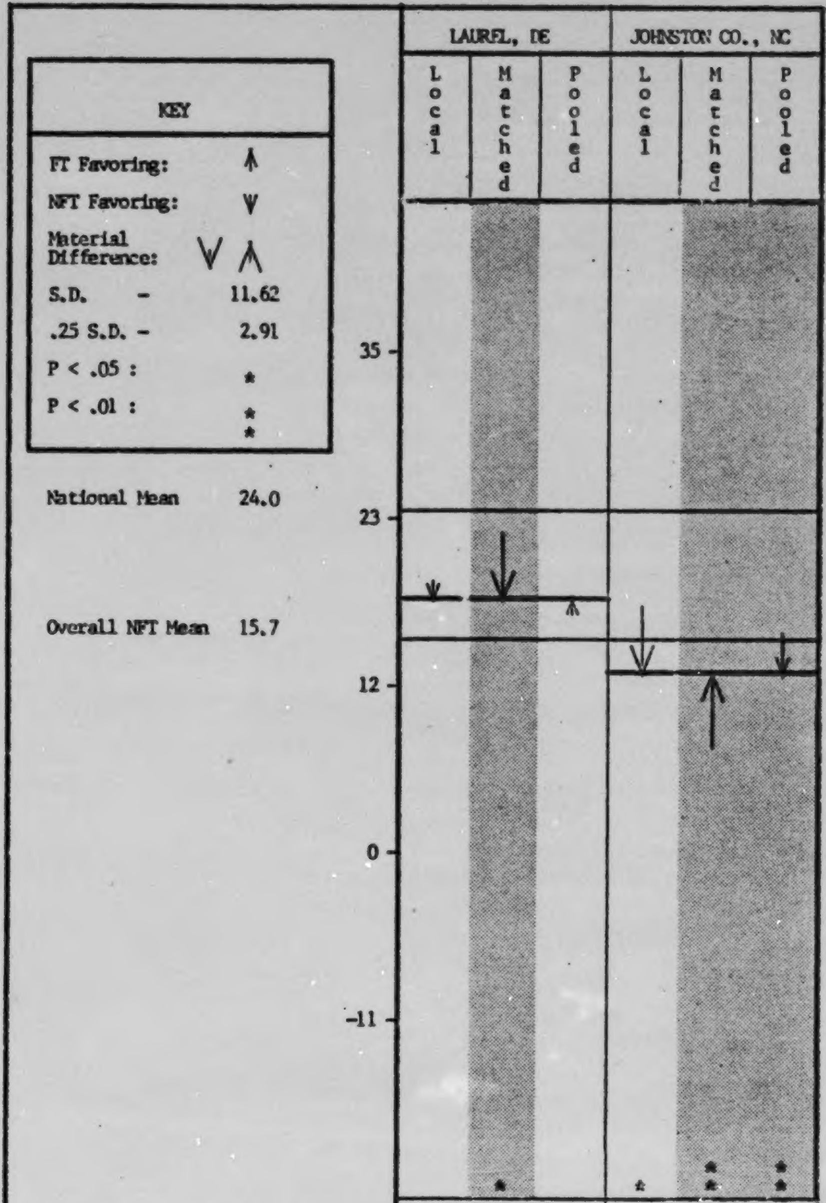
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT WORD KNOWLEDGE
FOR COHORT II ENTERING FIRST SITES
IN THE EDC MODEL



| | LAUREL, DE Local | LAUREL, DE Matched | LAUREL, DE Pooled | JOHNSTON CO., NC Local | JOHNSTON CO., NC Matched | JOHNSTON CO., NC Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -3.54 | -5.78 | -1.65 | -5.57 | 1.52 | -3.15 |
| Standard Error | 1.34 | 1.92 | 1.02 | 1.69 | 1.55 | 0.79 |
| FT Mean | 23.41 | | | 19.24 | | |
| No. of FT Children | 113 | | | 101 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | |

## Table C9-IIEF-8

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT SPELLING
FOR COHORT II ENTERING FIRST SITES
IN THE EDC MODEL



| | LAUREL, DE Local | LAUREL, DE Matched | LAUREL, DE Pooled | JOHNSTON CO., NC Local | JOHNSTON CO., NC Matched | JOHNSTON CO., NC Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.75 | -4.55 | 0.51 | -4.80 | 5.05 | -2.87 |
| Standard Error | 1.53 | 2.07 | 1.07 | 1.93 | 1.61 | 1.03 |
| FT Mean | 18.06 | | | 12.75 | | |
| No. of FT Children | 113 | | | 101 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | |

## Table C9-IIEF-9

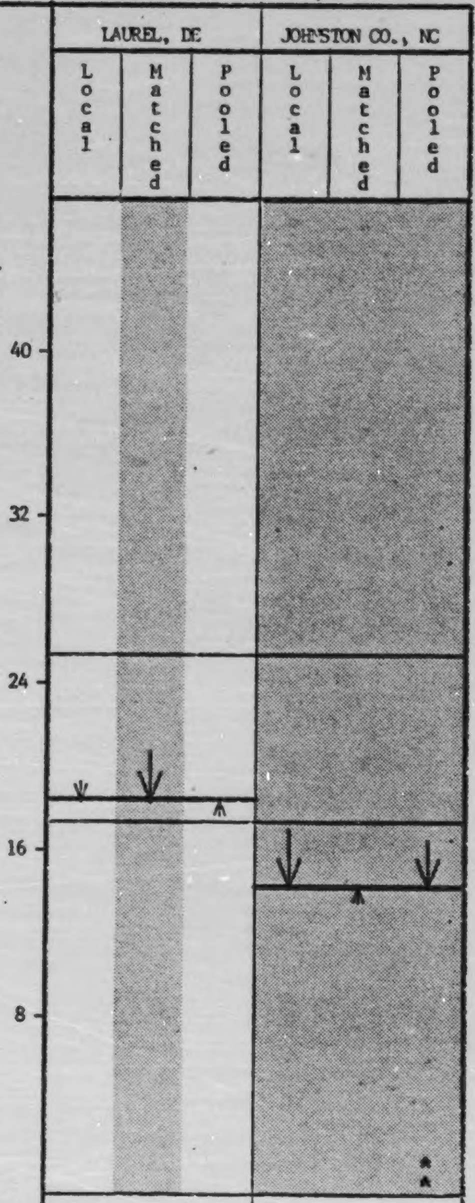
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT
### ON THE MAT LANGUAGE
### FOR COHORT II ENTERING FIRST SITES
### IN THE EDC MODEL

KEY

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. - | 8.05 |
| .25 S.D. - | 2.01 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 26.0

Overall NFT Mean 18.0



| | LAUREL, DE Local | LAUREL, DE Matched | LAUREL, DE Pooled | JOHNSTON CO., NC Local | JOHNSTON CO., NC Matched | JOHNSTON CO., NC Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.29 | -2.49 | 0.76 | -2.73 | 0.51 | -2.12 |
| Standard Error | 1.18 | 1.62 | 0.85 | 1.49 | 1.00 | 0.59 |
| FT Mean | 18.67 | | | 14.58 | | |
| No. of FT Children | 113 | | | 101 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | |

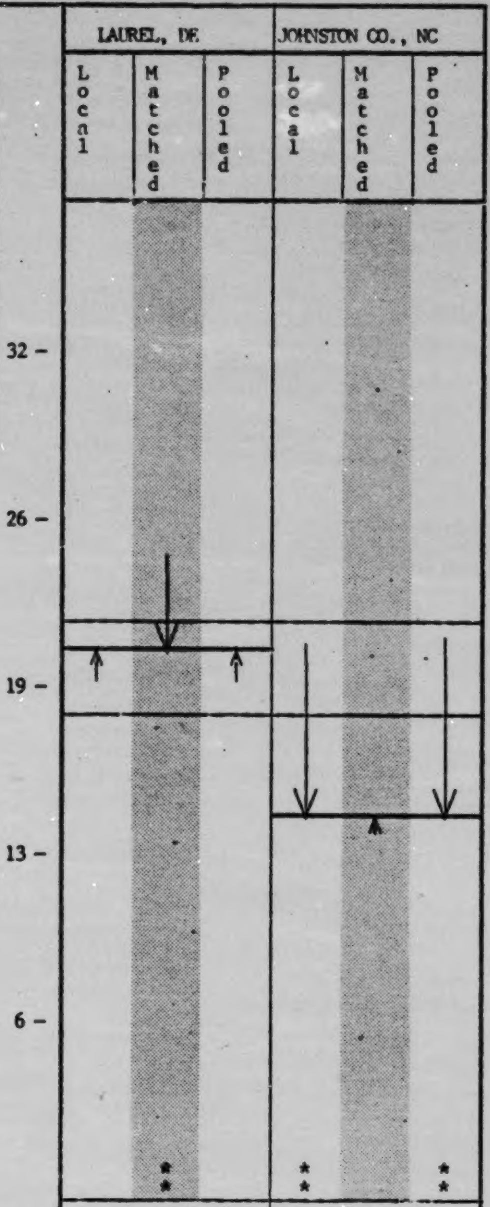
## Table C9-IIEF-10

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT MATHEMATICS COMPUTATIONS
FOR COHORT II ENTERING FIRST SITES
IN THE EDC MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 6.49 |
| .25 S.D. - | 1.62 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.5

Overall NFT Mean 18.5



| | LAUREL, DE Local | LAUREL, DE Matched | LAUREL, DE Pooled | JOHNSTON CO., NC Local | JOHNSTON CO., NC Matched | JOHNSTON CO., NC Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | 1.17 | -3.78 | 1.21 | -6.68 | 0.13 | -6.92 |
| Standard Error | 0.97 | 1.40 | 0.66 | 1.22 | 0.99 | 0.43 |
| FT Mean | 21.03 | | | 14.63 | | |
| No. of FT Children | 113 | | | 101 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | |

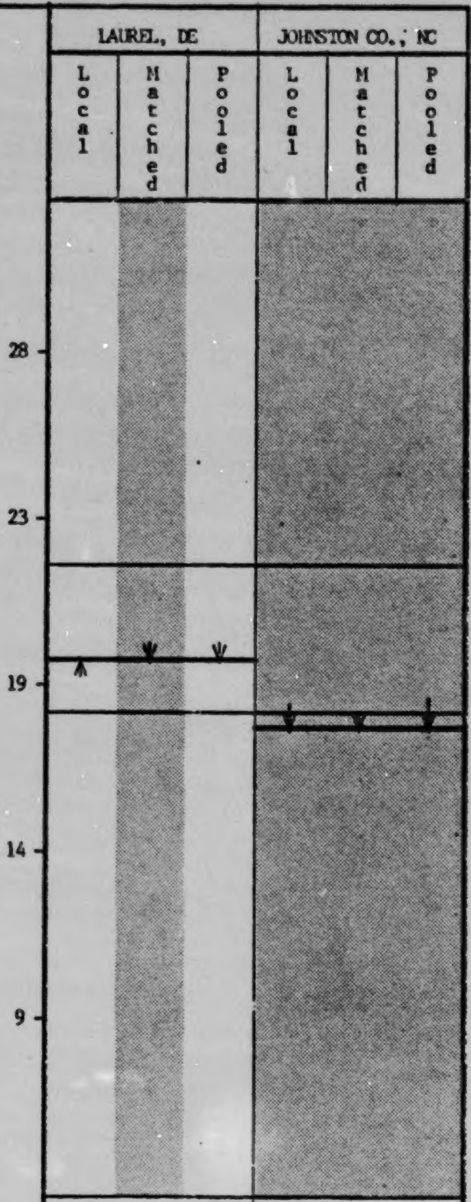
## Table C9-IIEF-11

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE RAVEN S PROGRESSIVE MATRICES
FOR COHORT II ENTERING FIRST SITES
IN THE EDC MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | V Λ |
| S.D. - | 4.64 |
| .25 S.D. - | 1.16 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.3

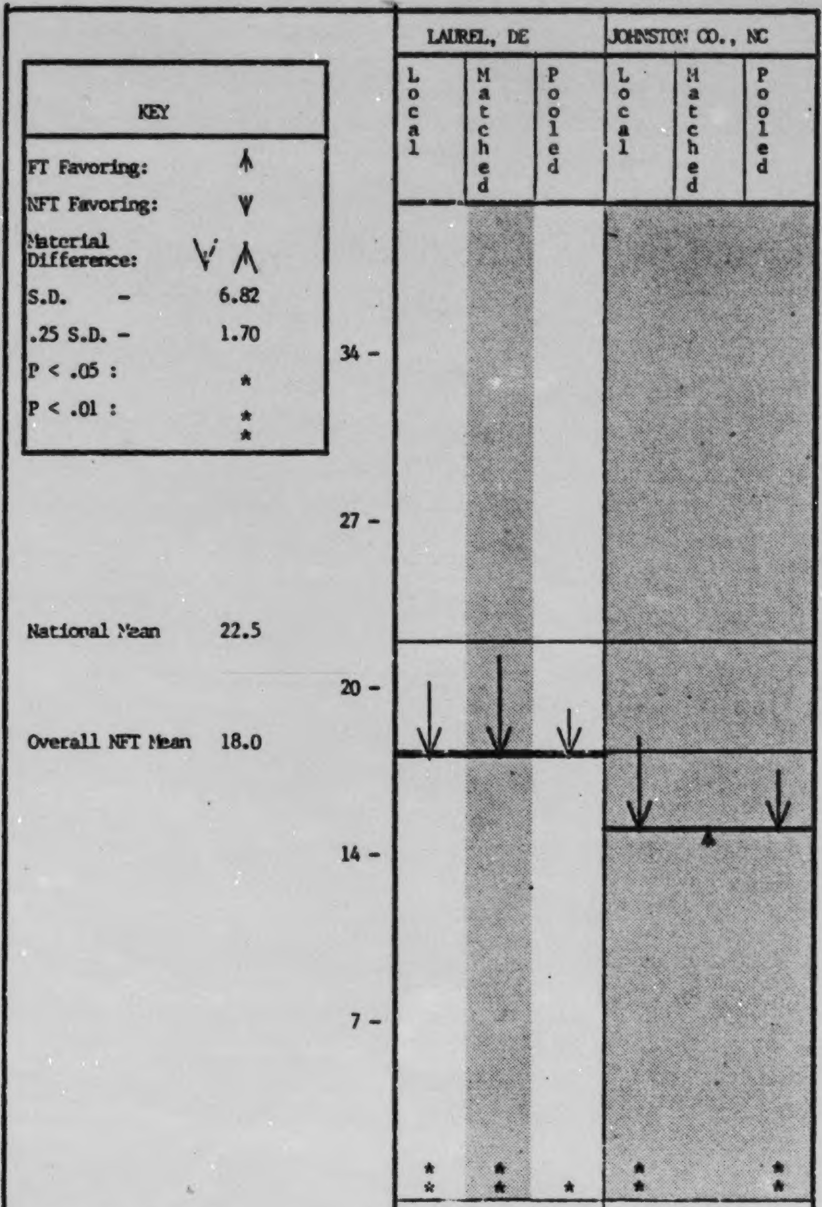
Overall NFT Mean 18.2



| | LAUREL, DE Local | LAUREL, DE Matched | LAUREL, DE Pooled | JOHNSTON CO., NC Local | JOHNSTON CO., NC Matched | JOHNSTON CO., NC Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | 0.12 | -0.32 | -0.01 | -0.72 | -0.35 | -0.88 |
| Standard Error | 0.59 | 0.79 | 0.38 | 0.74 | 0.80 | 0.46 |
| FT Mean | 19.41 | | | 17.49 | | |
| No. of FT Children | 113 | | | 101 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | |

## Table C9-IIEF-12

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT READING FOR COHORT II ENTERING FIRST SITES IN THE EDC MODEL



| | LAUREL, DE Local | LAUREL, DE Matched | LAUREL, DE Pooled | JOHNSTON CO., NC Local | JOHNSTON CO., NC Matched | JOHNSTON CO., NC Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -3.06 | -4.02 | -1.85 | -3.68 | 0.17 | -2.35 |
| Standard Error | 1.01 | 1.36 | 0.73 | 1.28 | 1.07 | 0.59 |
| FT Mean | 17.87 | | | 14.90 | | |
| No. of FT Children | 113 | | | 101 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | |

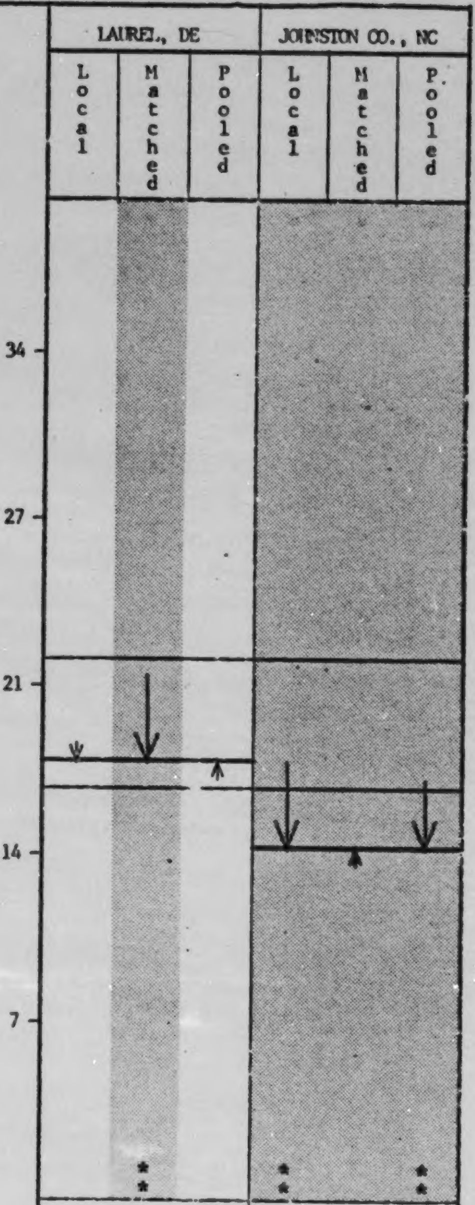
## Table C9-IIEF-13

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT MATHEMATICS CONCEPTS
FOR COHORT II ENTERING FIRST SITES
IN THE EDC MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. – | 6.85 |
| .25 S.D. – | 1.71 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.0

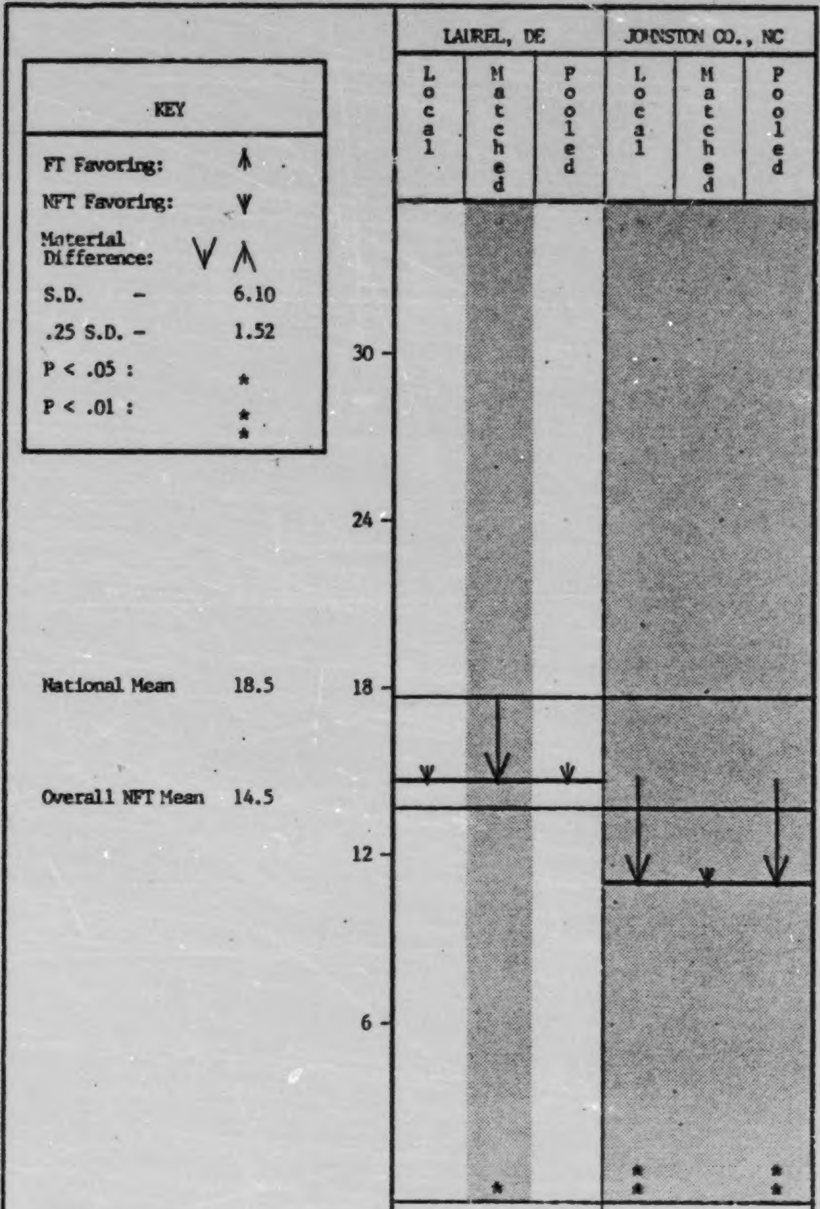
Overall NFT Mean 16.6



| | LAUREL, DE | | | JOHNSTON CO., NC | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.09 | -3.54 | 0.59 | -3.58 | 0.49 | -2.85 |
| Standard Error | 0.98 | 1.31 | 0.69 | 1.23 | 1.12 | 0.56 |
| FT Mean | 17.70 | | | 14.12 | | |
| No. of FT Children | 113 | | | 101 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | |

## Table C9-IIEF-14

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT II ENTERING FIRST SITES IN THE EDC MODEL



| | LAUREL, DE Local | LAUREL, DE Matched | LAUREL, DE Pooled | JOHNSTON CO., NC Local | JOHNSTON CO., NC Matched | JOHNSTON CO., NC Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | –0.57 | –2.95 | –0.31 | –4.02 | –0.62 | –3.87 |
| Standard Error | 0.89 | 1.19 | 0.58 | 1.13 | 0.99 | 0.47 |
| FT Mean | 15.07 | | | 11.34 | | |
| No. of FT Children | 113 | | | 101 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | |

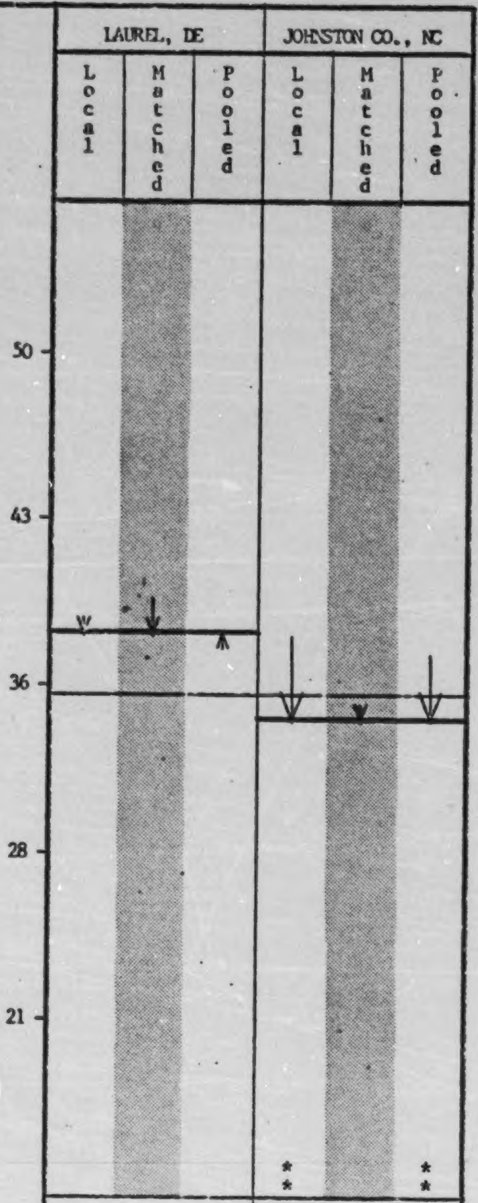
## Table C9-IIEF-15

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE COOPERSMITH SELF-ESTEEM INVENTORY
FOR COHORT II ENTERING FIRST SITES
IN THE EDC MODEL

KEY

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. - | 7.12 |
| .25 S.D. - | 1.78 |
| P < .05 : | * |
| P < .01 : | ** |

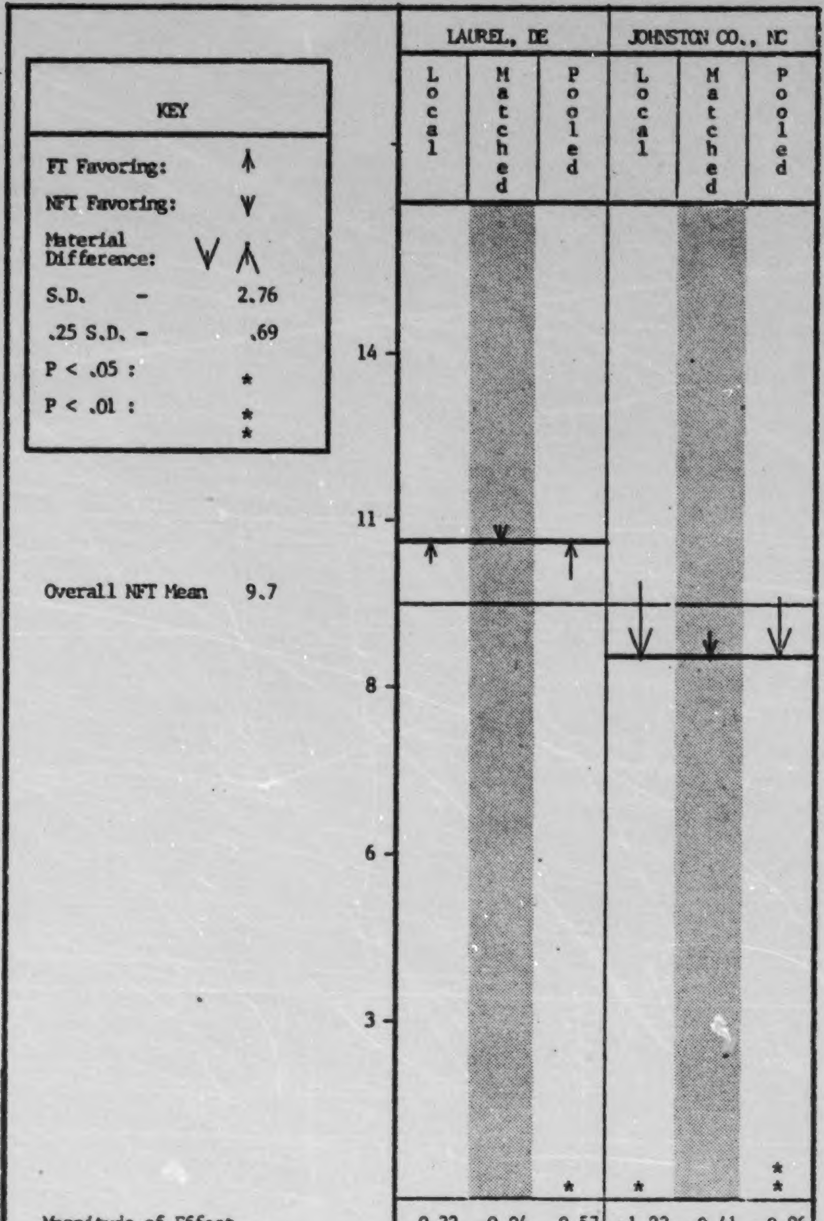
Overall NFT Mean 35.7



| | LAUREL, DE | | | JOHNSTON CO., NC | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.14 | -1.49 | 0.29 | -3.60 | -0.75 | -2.83 |
| Standard Error | 1.08 | 1.36 | 0.67 | 1.37 | 1.31 | 0.63 |
| FT Mean | 38.01 | | | 34.30 | | |
| No. of FT Children | 113 | | | 101 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | |

## Table C9-IIEF-16

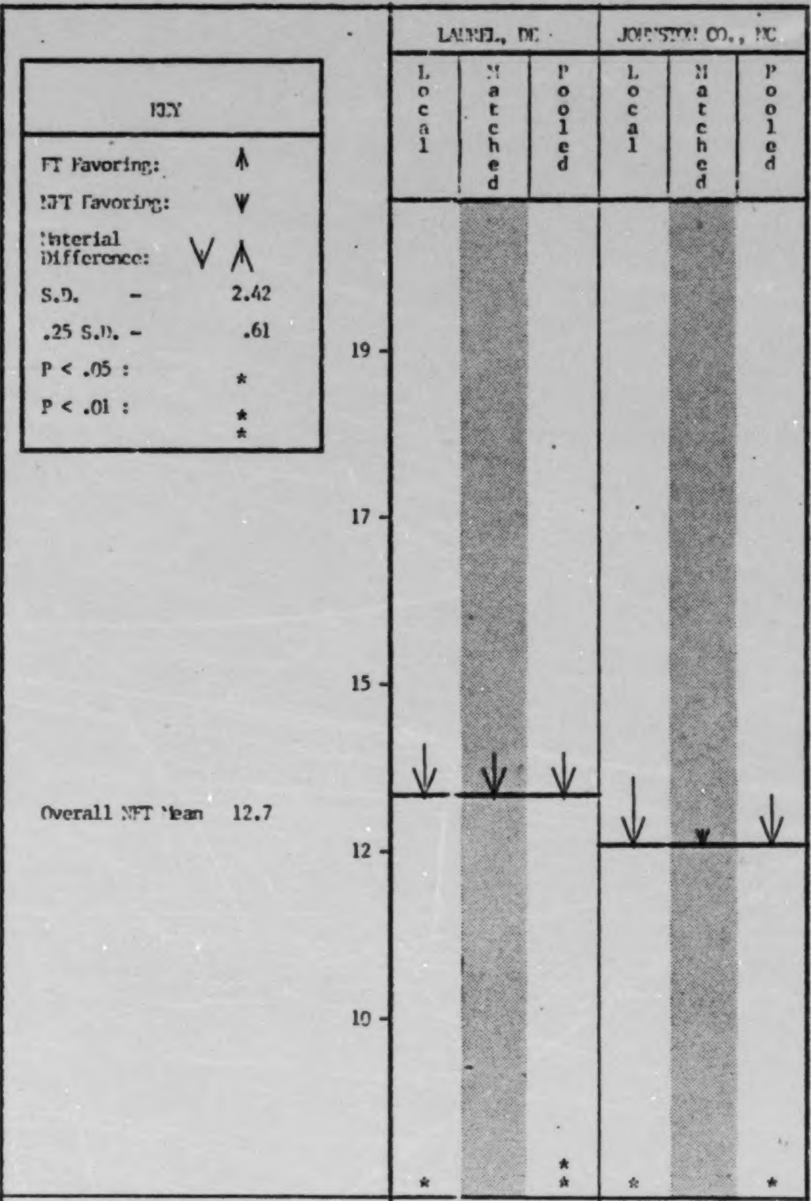
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT II ENTERING FIRST SITES IN THE EDC MODEL



| | LAUREL, DE | | | JOHNSTON CO., NC | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.32 | -0.04 | 0.57 | -1.23 | -0.41 | -0.96 |
| Standard Error | 0.40 | 0.49 | 0.24 | 0.51 | 0.55 | 0.28 |
| FT Mean | 10.74 | | | 8.86 | | |
| No. of FT Children | 113 | | | 101 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | |

## Table C9-IIEF-17

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE
FOR COHORT II ENTERING FIRST SITES
IN THE EDC MODEL



| | LAUREL, DE | | | JOHNSTON CO., NC | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.78 | -0.64 | -0.66 | -1.01 | -0.17 | -0.71 |
| Standard Error | 0.34 | 0.44 | 0.21 | 0.44 | 0.49 | 0.28 |
| FT Mean | | 12.96 | | | 12.24 | |
| No. of FT Children | | 113 | | | 101 | |
| Matched NFT Site | | Johnston Co., NC | | | Chattanooga, TN | |

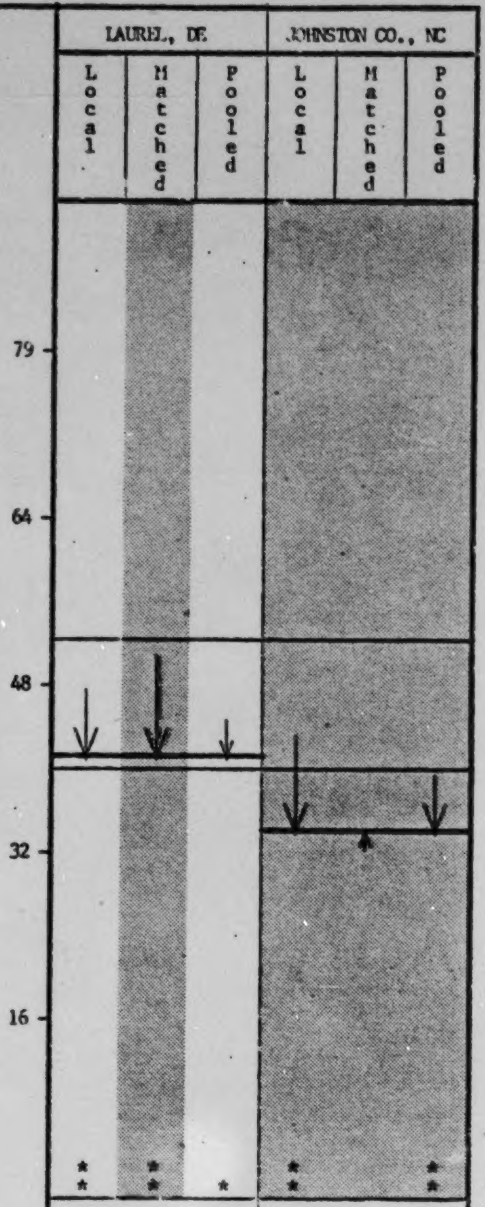
## Table C9-IIEF-18

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL READING FOR COHORT II ENTERING FIRST SITES IN THE EDC MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 15.88 |
| .25 S.D. - | 3.97 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 53.0

Overall NFT Mean 40.0



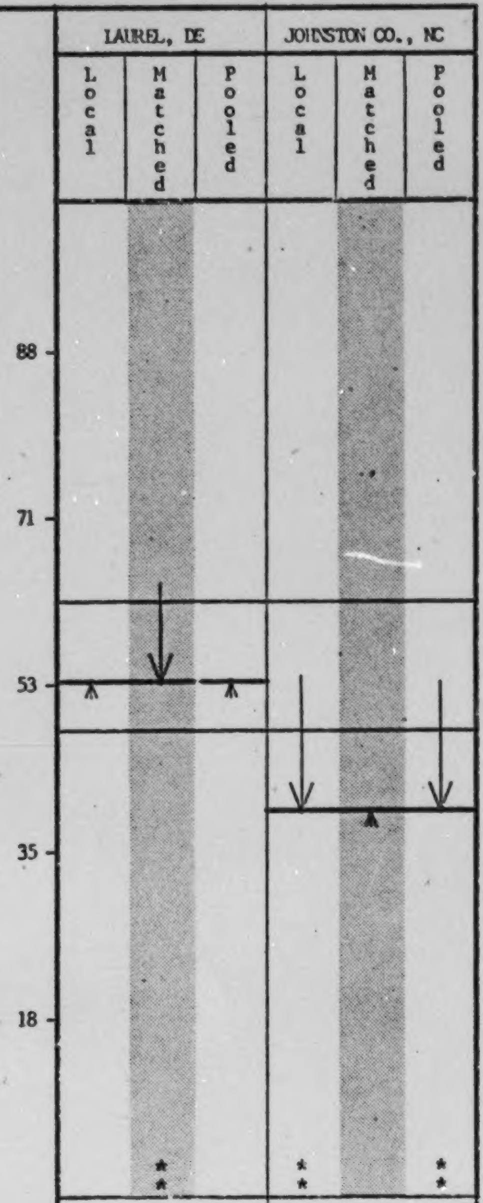
| | LAUREL, DE Local | LAUREL, DE Matched | LAUREL, DE Pooled | JOHNSTON CO., NC Local | JOHNSTON CO., NC Matched | JOHNSTON CO., NC Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -6.60 | -9.79 | -3.53 | -9.26 | 1.69 | -5.49 |
| Standard Error | 2.19 | 3.09 | 1.66 | 2.76 | 2.39 | 1.25 |
| FT Mean | 41.27 | | | 34.14 | | |
| No. of FT Children | 113 | | | 101 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | |

## Table C9-IIEF-19

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL MATH FOR COHORT II ENTERING FIRST SITES IN THE EDC MODEL

KEY

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ∨ ∧ |
| S.D. - | 17.64 |
| .25 S.D. - | 4.41 |
| P < .05 : | * |
| P < .01 : | ** |



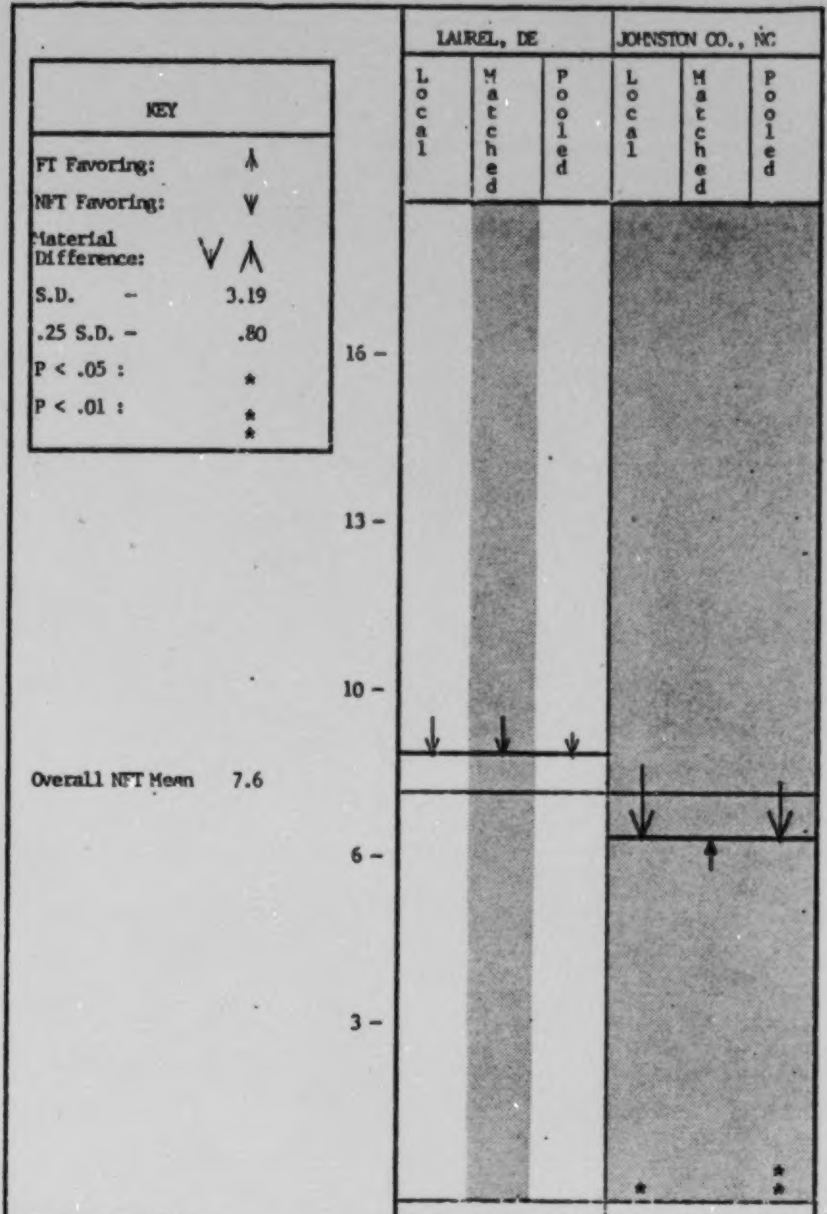
National Mean 63.0

Overall NFT Mean 49.6

| | LAUREL, DE | | | JOHNSTON CO., NC | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.51 | -10.27 | 1.44 | -14.27 | 0.00 | -13.67 |
| Standard Error | 2.53 | 3.52 | 1.78 | 3.20 | 2.66 | 1.22 |
| FT Mean | 53.85 | | | 40.09 | | |
| No. of FT Children | 113 | | | 101 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | |

## Table C9-IIEF-20

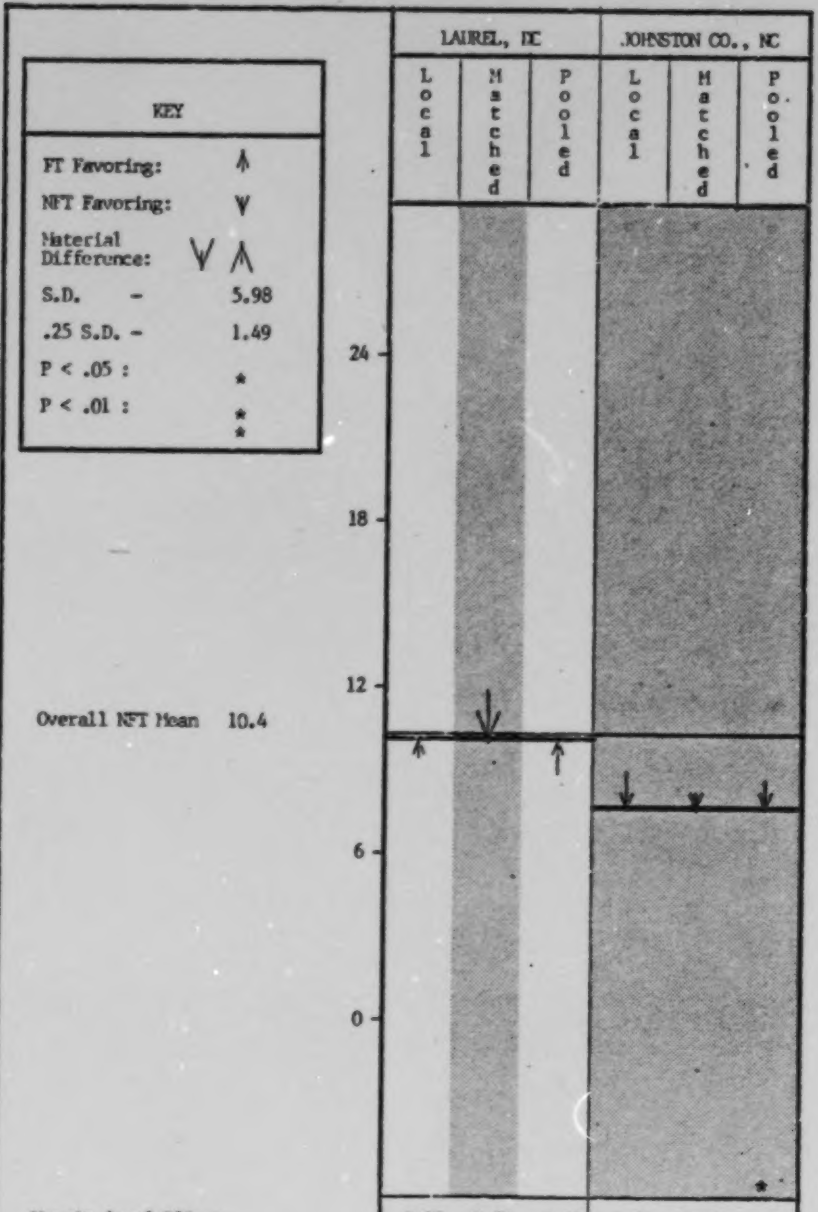
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT II ENTERING FIRST SITES IN THE EDC MODEL



| | LAUREL, DE | | | JOHNSTON CO., NC | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.69 | -0.68 | -0.42 | -1.42 | 0.54 | -1.15 |
| Standard Error | 0.46 | 0.60 | 0.29 | 0.58 | 0.55 | 0.29 |
| FT Mean | 8.43 | | | 6.80 | | |
| No. of FT Children | 113 | | | 101 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | |

## Table C9-IIEF-21

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT II ENTERING FIRST SITES IN THE EDC MODEL



| | Laurel, DE Local | Laurel, DE Matched | Laurel, DE Pooled | Johnston Co., NC Local | Johnston Co., NC Matched | Johnston Co., NC Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | 0.39 | -1.81 | 1.18 | -1.31 | -0.03 | -0.98 |
| Standard Error | 0.94 | 1.26 | 0.67 | 1.18 | 0.73 | 0.44 |
| FT Mean | 10.25 | | | 7.78 | | |
| No. of FT Children | 113 | | | 101 | | |
| Matched NFT Site | Johnston Co., NC | | | Chattanooga, TN | | |

Table C9-IIEF-22

### STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT II ENTERING FIRST SITES IN THE EDC MODEL

| | | SPONSOR'S SITES | | | LAUREL, DE | | | JOHNSTON CO., NC | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | MAT NORM POPU-LATION | FT | NFT | Local Best Match | FT | NFT | Local Best Match | FT | NFT | Local Best Match |
| TOTAL READING | | | | | | | | | | |
| Third Grade Median | 61 | 52.5 | 60.4 | — | 54.2 | 61.3 | 59.5 | 50.8 | 59.5 | 46.8 |
| Median Percentile | 50 | 24.0 | 46.0 | 24.0 | 28.0 | 48.0 | 46.0 | 20.0 | 46.0 | 10.0 |
| Grade Equivalent | 3.5 | 2.7 | 3.4 | 2.7 | 2.8 | 3.5 | 3.4 | 2.5 | 3.4 | 2.2 |
| 1 Year or More Below Grade Level | 20 | 46.4 | 21.6 | — | 36.3 | 22.2 | 21.0 | 56.4 | 21.0 | 78.6 |
| TOTAL MATHEMATICS | | | | | | | | | | |
| Third Grade Median | 70.5 | 61.0 | 70.2 | — | 65.8 | 68.4 | 72.0 | 56.2 | 72.0 | 52.7 |
| Median Percentile | 50 | 20.0 | 48.0 | 23.0 | 34.0 | 40.0 | 72.0 | 11.0 | 72.0 | 8.0 |
| Grade Equivalent | 3.75 | 3.0 | 3.7 | 3.1 | 3.4 | 3.5 | 3.9 | 2.6 | 3.9 | 2.4 |
| 1 Year or More Below Grade Level | 12 | 40.6 | 18.3 | — | 25.7 | 20.5 | 16.1 | 55.5 | 16.1 | 61.2 |
| SPELLING | | | | | | | | | | |
| Third Grade Median | 64. | 57.3 | 63.4 | — | 61.0 | 65.2 | 61.5 | 53.7 | 61.5 | 45.3 |
| Median Percentile | 50 | 30.0 | 48.0 | 20.0 | 40.0 | 54.0 | 44.0 | 22.0 | 44.0 | 8.0 |
| Grade Equivalent | 3.6 | 2.9 | 3.5 | 2.6 | 3.3 | 3.7 | 3.4 | 2.6 | 3.4 | 2.0 |
| 1 Year or More Below Grade Level | 22 | 44.4 | 25.0 | — | 36.3 | 29.1 | 21.0 | 52.5 | 21.0 | 75.7 |
| LANGUAGE | | | | | | | | | | |
| Third Grade Median | 70 | 57.9 | 63.1 | — | 59.7 | 63.1 | 63.2 | 56.1 | 63.2 | 54.7 |
| Median Percentile | 50 | 22.0 | 32.0 | 23.0 | 26.0 | 32.0 | 32.0 | 18.0 | 32.0 | 14.0 |
| Grade Equivalent | 4.0 | 2.8 | 3.2 | 2.9 | 3.0 | 3.2 | 3.2 | 2.6 | 3.2 | 2.5 |
| 1 Year or More Below Grade Level | 14 | 64.6 | 41.2 | — | 54.9 | 43.6 | 38.7 | 74.3 | 38.7 | 80.6 |
| BEST MATCHED SITE | | | | | Johnston Co., NC | | | Chattanooga, TN | | |

Table C9-IIEF-23

MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES
USED IN THE ANALYTIC SAMPLE OF THE
COHORT II ENTERING FIRST SITES
IN THE EDC MODEL

| | SPONSOR'S SITES | | | LAUREL, DE | | | JOHNSTON CO., NC | | |
|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | | | | |
| Mean | 35.1 | 42.0 | — | 38.1 | 43.5 | 40.6 | 32.1 | 40.6 | 29.4 |
| Standard Deviation | — | — | — | 9.3 | 13.1 | 9.8 | 10.1 | 9.8 | 11.1 |
| HIGHEST OCCUPATION IN HOUSE | | | | | | | | | |
| Mean | 13.7 | 15.0 | — | 14.5 | 15.3 | 14.8 | 12.9 | 14.8 | 13.1 |
| Standard Deviation | — | — | — | 1.9 | 2.3 | 2.1 | 1.2 | 2.1 | 1.5 |
| FAMILY INCOME IN DOLLARS | | | | | | | | | |
| Mean | 5612 | 7382 | — | 7048 | 8328 | 6436 | 4176 | 6436 | 4347 |
| Standard Deviation | — | — | — | 2803 | 2303 | 2661 | 2253 | 2661 | 2267 |
| MISSING INCOME INFORMATION | | | | | | | | | |
| No. Missing | — | — | — | 30 | 9 | 7 | 27 | 7 | 44 |
| Valid Cases | — | — | — | 83 | 108 | 55 | 74 | 55 | 59 |
| ETHNIC MEMBERSHIP/RACE | | | | | | | | | |
| Percent White | 60 | 83 | — | 71 | 81 | 85 | 50 | 85 | 17 |
| Percent Black | 39 | 16 | — | 27 | 17 | 15 | 51 | 15 | 83 |
| SEX Percent Female | 53 | 44 | — | 54 | 50 | 39 | 52 | 39 | 47 |
| ENTRY AGE IN MONTHS | | | | | | | | | |
| Mean | 76.5 | 76.9 | — | 75.0 | 75.7 | 78.1 | 77.9 | 78.1 | 77.1 |
| Standard Deviation | — | — | — | 4.3 | 3.9 | 4.3 | 3.5 | 4.3 | 4.2 |
| FIRST LANGUAGE | | | | | | | | | |
| Percent English | 100 | 100 | — | 100 | 100 | 100 | 100 | 100 | 100 |
| BEST MATCHED SITE | | | | Johnston Co., NC | | | Chattanooga, TN | | |

## Table C9-IIEF-24

## MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES COHORT II ENTERING FIRST SITES IN THE EDC MODEL

| | ALL SITES | | SPONSOR'S SITES | | | LAUREL, DE | | | JOHNSTON CO., NC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | |
| Mean | 36.10 | 37.29 | 37.71 | 52.22 | — | 41.27 | 52.61 | 51.84 | 34.14 | 51.84 | 28.90 |
| Standard Deviation | | | — | — | — | 17.80 | 20.94 | 19.57 | 13.39 | 19.57 | 15.17 |
| TOTAL MATHEMATICS | | | | | | | | | | | |
| Mean | 46.79 | 47.93 | 46.97 | 62.06 | — | 53.85 | 59.75 | 64.37 | 40.09 | 64.37 | 37.50 |
| Standard Deviation | | | — | — | — | 19.81 | 24.86 | 22.83 | 15.14 | 22.83 | 16.13 |
| LANGUAGE | | | | | | | | | | | |
| Mean | 18.13 | 18.20 | 16.63 | 21.44 | — | 18.67 | 21.24 | 21.65 | 14.58 | 21.65 | 13.05 |
| Standard Deviation | | | — | — | — | 9.36 | 10.75 | 9.80 | 5.99 | 9.80 | 5.24 |
| SPELLING | | | | | | | | | | | |
| Mean | 15.76 | 14.48 | 15.41 | 22.11 | — | 18.06 | 21.89 | 22.34 | 12.75 | 22.34 | 6.68 |
| Standard Deviation | | | — | — | — | 12.37 | 14.13 | 12.09 | 11.33 | 12.09 | 8.20 |
| RAVEN'S PROGRESSIVE MAT. | | | | | | | | | | | |
| Mean | 16.49 | 17.43 | 18.45 | 20.98 | — | 19.41 | 20.85 | 21.11 | 17.49 | 21.11 | 16.76 |
| Standard Deviation | | | — | — | — | 4.95 | 4.15 | 4.84 | 4.81 | 4.84 | 4.62 |
| COOPERSMITH'S SELF-EST. | | | | | | | | | | | |
| Mean | 35.35 | 35.93 | 36.15 | 38.62 | — | 38.01 | 38.54 | 38.71 | 34.30 | 38.71 | 34.10 |
| Standard Deviation | | | — | — | — | 7.11 | 7.88 | 7.31 | 6.53 | 7.31 | 7.64 |
| IARS-LOCUS NEGATIVE | | | | | | | | | | | |
| Mean | 9.57 | 9.53 | 9.80 | 10.53 | — | 10.73 | 10.58 | 10.48 | 8.86 | 10.48 | 9.04 |
| Standard Deviation | | | — | — | — | 2.42 | 2.82 | 2.76 | 2.80 | 2.76 | 2.97 |
| IARS-LOCUS POSITIVE | | | | | | | | | | | |
| Mean | 12.30 | 12.49 | 12.60 | 13.72 | — | 12.96 | 13.89 | 13.55 | 12.24 | 13.55 | 12.02 |
| Standard Deviation | | | — | — | — | 2.32 | 1.88 | 2.41 | 2.87 | 2.41 | 2.48 |
| WORD KNOWLEDGE | | | | | | | | | | | |
| Mean | 20.39 | 20.34 | 21.32 | 29.70 | — | 23.41 | 29.70 | 29.69 | 19.24 | 29.69 | 15.34 |
| Standard Deviation | | | — | — | — | 10.99 | 12.17 | 11.51 | 8.61 | 11.51 | 9.89 |
| READING | | | | | | | | | | | |
| Mean | 15.72 | 16.98 | 16.38 | 22.53 | — | 17.87 | 22.91 | 22.15 | 14.90 | 22.15 | 13.56 |
| Standard Deviation | | | — | — | — | 7.80 | 9.44 | 8.54 | 6.08 | 8.54 | 6.14 |
| MATH COMPUTATIONS | | | | | | | | | | | |
| Mean | 18.34 | 18.29 | 17.86 | 23.18 | — | 21.08 | 21.95 | 24.42 | 14.63 | 24.42 | 14.02 |
| Standard Deviation | | | — | — | — | 7.29 | 8.58 | 8.92 | 5.38 | 8.92 | 5.88 |
| MATH CONCEPTS | | | | | | | | | | | |
| Mean | 15.41 | 15.82 | 15.91 | 20.72 | — | 17.70 | 20.08 | 21.37 | 14.12 | 21.37 | 12.43 |
| Standard Deviation | | | — | — | — | 7.37 | 9.22 | 8.18 | 6.51 | 8.18 | 6.74 |
| MATH PROBLEM SOLVING | | | | | | | | | | | |
| Mean | 13.03 | 13.83 | 13.20 | 18.15 | — | 15.07 | 17.73 | 18.58 | 11.34 | 18.58 | 11.05 |
| Standard Deviation | | | — | — | — | 6.69 | 8.44 | 7.74 | 5.29 | 7.74 | 5.57 |
| LANGUAGE PART A | | | | | | | | | | | |
| Mean | 7.37 | 7.34 | 7.61 | 9.57 | — | 8.42 | 9.74 | 9.40 | 6.80 | 9.40 | 5.82 |
| Standard Deviation | | | — | — | — | 3.46 | 3.50 | 3.69 | 3.17 | 3.69 | 3.13 |
| LANGUAGE PART B | | | | | | | | | | | |
| Mean | 10.75 | 10.86 | 9.01 | 11.87 | — | 10.25 | 11.50 | 12.24 | 7.78 | 12.24 | 7.23 |
| Standard Deviation | | | — | — | — | 6.93 | 8.54 | 7.16 | 4.08 | 7.16 | 3.70 |
| BEST MATCH SITE | | | | | | Johnston Co., NC | | | Chattanooga, TN | | |

Table C9-IIEF-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT II-EF LOCAL ANALYSES FOR THE EDC MODEL

### CODE

FEW = Fall Entering WRAT
NOFEW = Missing WRAT
SEX = Sex
ENTAGE = Entry Age
NOINC = Missing Income
INCOME = Income
ETH2 = White vs. Other
OCCUP = Occupation
NOOCCUP = Missing Occupation
ETH1 = White vs. Black

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .22343469 | .89045126E-01 |
| NOFEW | -7.2721782 | 4.5560286 |
| SEX | 2.4495051 | 1.6079245 |
| ENTAGE | -.24535382 | .22607809 |
| NOINC | 2.4983769 | 3.9513539 |
| INCOME | -.40750046E-04 | .32800327E-03 |
| ETH2 | -2.4145977 | 5.3307307 |
| OCCUP | .51037035 | .42840016 |
| NOOCCUP | 1.9245039 | 4.4690367 |
| ETH1 | 3.1926572 | 2.9161257 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | 1.8844128 | .92304525E-01 |
| NOFEW | -15.722597 | 5.2822713 |
| SEX | .57234593 | 1.8642318 |
| ENTAGE | -.21162246 | .23985592 |
| NOINC | 3.5304555 | 4.5409505 |
| INCOME | .22104440E-03 | .38038059E-03 |
| ETH2 | 8.3461073 | 6.1804629 |
| OCCUP | .64412775 | .49668526 |
| NOOCCUP | .17735772 | 5.1823402 |
| ETH1 | -2.4621044 | 3.3609636 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .68291368 | .56022486E-01 |
| NOFEW | -5.0179464 | 3.1887019 |
| SEX | 2.1724783 | 1.1253643 |
| ENTAGE | -.34592903 | .14479170 |
| NOINC | -.80569215 | 2.7647985 |
| INCOME | .66708053E-04 | .22962098E-03 |
| ETH2 | .44063775 | 3.7309953 |
| OCCUP | .36559164 | .29983140 |
| NOOCCUP | 4.4836163 | 3.1283774 |
| ETH1 | -.63328714 | 2.0409564 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .35685024 | .43343376E-01 |
| NOFEW | -3.0368349 | 2.4670292 |
| SEX | .99150376 | .87066990 |
| ENTAGE | -.12168991 | .11202218 |
| NOINC | .62257420 | 2.1399543 |
| INCOME | -.35749424E-04 | .17765274E-03 |
| ETH2 | -.85344839 | 2.8865201 |
| OCCUP | .41353423 | .23197302 |
| NOOCCUP | .93199927 | 2.4203574 |
| ETH1 | 2.0347032 | 1.5790434 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .16705212 | .21609790E-01 |
| NOFEW | -1.3094972 | 1.2299715 |
| SEX | -1.4696762 | .43409152 |
| ENTAGE | -.10392120E-01 | .55951112E-01 |
| NOINC | -.49303110 | 1.0564774 |
| INCOME | .99904249E-04 | .88572570E-04 |
| ETH2 | -.42489140 | 1.0391379 |
| OCCUP | .32523543E-01 | .11565523 |
| NOOCCUP | -.17406294 | 1.3067222 |
| ETH1 | 1.6150954 | .78726672 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .11285675 | .39668935E-01 |
| NOFEW | -.82556237 | 2.2578964 |
| SEX | .13441755 | .79685865 |
| ENTAGE | -.54018060E-01 | .10252548 |
| NOINC | 3.4662864 | 1.9577249 |
| INCOME | .22151496E-03 | .16259221E-03 |
| ETH2 | .24032195 | 2.6418150 |
| OCCUP | -.41325304E-01 | .21230747 |
| NOOCCUP | -1.4753406 | 2.2151713 |
| ETH1 | -.42012592 | 1.4451798 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .62447324E-01 | .12630406E-01 |
| NOFEW | -1.7115742 | .71890960 |
| SEX | .50339416 | .25371611 |
| ENTAGE | -.41715549E-01 | .37643640E-01 |
| NOINC | .20417284 | .62333055 |
| INCOME | .27511181E-04 | .51768608E-04 |
| ETH2 | .11419534 | .84114167 |
| OCCUP | -.73041079E-01 | .67597718E-01 |
| NOOCCUP | .57765091 | .70530029 |
| ETH1 | .32211446 | .46013857 |

## Table C9-IIEF-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .43102638E-01 | .14712484E-01 |
| NOFEM | .7516906 | .83747888 |
| SEX | .44755205 | .24554034 |
| ENTAGE | -.12491560E-01 | .38024831E-01 |
| NOINC | .75533331 | .72608444 |
| INCOME | .60294737E-04 | .61302484E-04 |
| ETH2 | .97749003 | .97980097 |
| OCCUP | -.55251036E-03 | .78740968E-01 |
| NOOCCUP | -.27633612 | .82156661 |
| ETH1 | -.43259131 | .53599183 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .54553778 | .48997837E-01 |
| NOFEM | -4.5005426 | 2.7938712 |
| SEX | .76117516 | .99425507 |
| ENTAGE | -.14936351 | .12663929 |
| NOINC | 1.2199525 | 2.4181210 |
| INCOME | -.11662472E-04 | .23082785E-03 |
| ETH2 | -1.9956652 | 3.2533479 |
| OCCUP | .24573717 | .26223560 |
| NOOCCUP | 1.8507511 | 2.7361108 |
| ETH1 | 1.9181998 | 1.7856113 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .36189631 | .37049988E-01 |
| NOFEM | -2.7715356 | 2.1065438 |
| SEX | 1.0877899 | .74344645 |
| ENTAGE | -.95391308E-01 | .95653359E-01 |
| NOINC | 1.7781244 | 1.8265816 |
| INCOME | -.29287574E-04 | .15169391E-03 |
| ETH2 | -.84892545 | 2.4647382 |
| OCCUP | .22263333 | .19807083 |
| NOOCCUP | -.35747776E-01 | 2.0666918 |
| ETH1 | 1.2444534 | 1.3483117 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .38634684 | .35876112E-01 |
| NOFEM | -4.2505801 | 2.0391596 |
| SEX | -.92306082E-01 | .71966567 |
| ENTAGE | -.58031246E-01 | .92593597E-01 |
| NOINC | -.29311567 | 1.7680754 |
| INCOME | .59746658E-04 | .14684152E-03 |
| ETH2 | 3.6597791 | 2.3858961 |
| OCCUP | .32911366 | .19174075 |
| NOOCCUP | 1.987376 | 2.0005824 |
| ETH1 | -1.4849855 | 1.3651818 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .35760116 | .35508444E-01 |
| NOFEM | -5.3659060 | 2.0216785 |
| SEX | .51056286 | .71328304 |
| ENTAGE | -.12379695 | .91772575E-01 |
| NOINC | 1.7044831 | 1.7572988 |
| INCOME | .86676398E-04 | .14553948E-03 |
| ETH2 | 1.9606625 | 2.3647465 |
| OCCUP | .13409893 | .19004059 |
| NOOCCUP | -.64092724 | 1.9828433 |
| ETH1 | -.47806296 | 1.2936089 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .34146230 | .32735873E-01 |
| NOFEM | -6.1001165 | 1.8632687 |
| SEX | .15415096 | .65758922 |
| ENTAGE | -.29774880E-01 | .84606789E-01 |
| NOINC | 2.1109881 | 1.6155673 |
| INCOME | .18906367E-04 | .13417547E-03 |
| ETH2 | 1.5893257 | 2.1860968 |
| OCCUP | .18146446 | .17520184 |
| NOOCCUP | -1.2050911 | 1.8280190 |
| ETH1 | -.49825589 | 1.1926313 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .14086415 | .16687504E-01 |
| NOFEM | -1.0334743 | .94982357 |
| SEX | .56574564 | .33521400 |
| ENTAGE | -.22253774E-01 | .43129326E-01 |
| NOINC | .21939224 | .82355481 |
| INCOME | -.22574987E-04 | .68797556E-04 |
| ETH2 | -.96453145 | 1.1113305 |
| OCCUP | .16020840E-02 | .89311243E-01 |
| NOOCCUP | .68151530 | .93185462 |
| ETH1 | .95229021 | .64794203 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEM | .22734619 | .34290610E-01 |
| NOFEM | -2.0373695 | 1.3517615 |
| SEX | .42575813 | .68882034 |
| ENTAGE | -.33446139E-01 | .88625049E-01 |
| NOINC | .40314595 | 1.6922960 |
| INCOME | -.70334349E-05 | .14054791E-03 |
| ETH2 | .11104165 | 2.2236370 |
| OCCUP | .44135215 | .12352277 |
| NOOCCUP | .23026691 | 1.9148377 |
| ETH1 | 1.0814061 | 1.2492419 |

# APPENDIX TABLES
# for
# VOLUME IV-B

## CHAPTER TEN
## SELF-SPONSORED

The Self-Sponsored model was evaluated only in Cohort II-Kindergarten sites, and the reader is referred to Education as Experimentation: A Planned Variation Model, Volume IIIB: Appendices.

# APPENDIX TABLES
# for
# VOLUME IV-B

## CHAPTER ELEVEN
## DIVIDUALIZED EARLY LEARNING PROGRAM

### Table C11-IIIK-1

### ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT III KINDERGARTEN SITES IN THE IELP MODEL

| | | LOCK HAVEN, PA | | | MONTEVIDEO, MN | | | AKRON, OH | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 0.0 | 0.0 | 0.9 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| BLACK | Percent | 0.0 | 0.0 | 22.2 | 0.0 | 0.7 | 0.0 | 97.5 | 81.4 | 95.2 |
| | Number | 0 | 0 | 12 | 0 | 1 | 0 | 77 | 48 | 437 |
| ORIENTAL | Percent | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PUERTO RICAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| WHITE | Percent | 100.0 | 100.0 | 77.8 | 98.3 | 97.9 | 100.0 | 2.5 | 18.6 | 1.1 |
| | Number | 48 | 61 | 42 | 115 | 138 | 43 | 2 | 11 | 5 |
| OTHER | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| BEST MATCHED SITE | | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

## Table C11-IIIK-2

## DISTRIBUTION OF BACKGROUND VARIABLES
## COHORT III KINDERGARTEN CHILDREN
## FOR THE IELP MODEL

| | SPONSOR'S SITES | | | LOCK HAVEN, PA | | | MONTEVIDEO, MN | | | AKRON, OH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE Number | — | — | — | 48 | 61 | 54 | 117 | 141 | 43 | 79 | 59 | 459 |
| FALL KINDERGARTEN WRAT Mean Score | 31.8 | 30.7 | — | 29.7 | 31.9 | 25.2 | 39.5 | 36.9 | 41.6 | 26.3 | 23.4 | 26.9 |
| PERCENT WITH PRESCHOOL | 66 | 30 | — | 77 | 10 | 26 | 41 | 19 | 42 | 78 | 61 | 28 |
| Number Responding | — | — | — | 48 | 61 | 54 | 116 | 140 | 43 | 79 | 41 | 372 |
| CHILDREN'S ETHNICITY | | | | | | | | | | | | |
| Percent Black | 32 | 27 | — | 0 | 0 | 22 | 0 | 1 | 0 | 97 | 81 | 95 |
| Percent White | 67 | 72 | — | 100 | 100 | 78 | 98 | 98 | 100 | 3 | 19 | 1 |
| Percent Other | 1 | 0 | — | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 4 |
| MEDIAN FAMILY INCOME | 5500 | 7260 | — | 4500 | 8000 | 5080 | 8250 | 7980 | 7967 | 3750 | 5799 | 5300 |
| Number Responding | — | — | — | 36 | 57 | 53 | 96 | 124 | 40 | 53 | 28 | 54 |
| MOTHER'S EDUCATION | | | | | | | | | | | | |
| Percent H.S. Graduates | 74 | 70 | — | 56 | 82 | 52 | 90 | 79 | 84 | 75 | 48 | 37 |
| Number Responding | — | — | — | 34 | 57 | 52 | 102 | 130 | 43 | 51 | 27 | 54 |
| FEMALE HEADS OF HOUSEHOLD Percent | 26 | 17 | — | 24 | 7 | 6 | 4 | 4 | 2 | 51 | 41 | 48 |
| BEST MATCHED SITE | | | | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

## Table C11-IIIK-3

## TEACHER BACKGROUND CHARACTERISTICS FOR COHORT III-K SITES IN IELP MODEL

| | Lock Haven, PA | | Montevideo, MN | | Akron, OH | |
|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | FT | NFT |
| **YEARS OF ELEMENTARY TEACHING EXPERIENCE** | | | | | | |
| Mean | 11.80 | 11.22 | 8.33 | 12,87 | 9.80 | 5,30 |
| Standard Deviation | 7.08 | 7.91 | 6,71 | 10.78 | 4,43 | 4.07 |
| N | 5 | 9 | 6 | 8 | 5 | 13 |
| **YEARS IN SCHOOL** | | | | | | |
| Mean | 6.60 | 10.00 | 6.16 | 39.25 | 7.33 | 5.92 |
| Standard Deviation | 3.43 | 8.77 | 4,49 | 13.52 | 5.75 | 5,54 |
| N | 5 | 9 | 6 | 8 | 6 | 13 |
| **YEARS IN MODEL** | | | | | | |
| Mean | 2.40 | .50 | 3.16 | 7,50 | 2.50 | .50 |
| Standard Deviation | .89 | 0 | 1.72 | 6.43 | .83 | 0 |
| N | 5 | 4 | 6 | 8 | 6 | 1 |
| **TEACHER'S EDUCATION** | | | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 | 0 | 0 |
| % with B.A. | 80 | 55.6 | 50 | 75.0 | 66.7 | 38.5 |
| % Some Graduate | 0 | 22.2 | 50 | 25.0 | 16.7 | 46,2 |
| % M.A. or More | 20 | 22.2 | 0 | 0 | 16.7 | 15.4 |
| N | 5 | 9 | 6 | 8 | 6 | 13 |
| **TEACHER'S CERTIFICATION** | | | | | | |
| % None | 0 | 0 | 0 | 0 | 0 | 0 |
| % Temporary | 0 | 12.5 | 0 | 0 | 16.7 | 58.3 |
| % Renewable/Permanent | 100 | 87.5 | 100 | 100 | 83.3 | 41.6 |
| N | 5 | 8 | 6 | 8 | 6 | 12 |
| **TEACHER'S ETHNICITY** | | | | | | |
| % White | 100 | 100 | 100 | 100 | 50 | 69.2 |
| % Black | 0 | 0 | 0 | 0 | 50 | 30.8 |
| % Spanish Surname | 0 | 0 | 0 | 0 | 0 | 0 |
| % Other | 0 | 0 | 0 | 0 | 0 | 0 |
| N | 5 | 9 | 6 | 8 | 6 | 13 |
| **AGE IN YEARS** | | | | | | |
| Mean | 40.60 | 38.0 | 31.50 | 39.25 | 39.00 | 33.23 |
| Standard Deviation | 15.40 | 10.47 | 6.83 | 13.52 | 15.31 | 11.06 |
| N | 5 | 9 | 6 | 8 | 6 | 13 |

## Table CII-IIIK-4

## STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1975) FOR THE COHORT III KINDERGARTEN SITES IN THE IELP MODEL

| | SPONSOR'S SITES | | | LOCK HAVEN, PA | | | MONTEVIDEO, MN | | | AKRON, OH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 47.3 | 51.5 | — | 47.3 | 49.5 | 41.3 | 47.6 | 49.5 | 52.2 | 46.9 | 55.5 | 51.5 |
| Number | 3 | 3 | — | 5 | 9 | 11 | 6 | 8 | 4 | 6 | 13 | 57 |
| Local Mean Difference | -4.3 | — | — | — | — | — | — | — | — | -8.6 | — | — |
| Best Match Mean Difference | — | — | — | 6.0 | — | — | -4.6 | — | — | -4.7 | — | — |
| FLEXIBLE CLASSROOM | 50.7 | 49.1 | — | 55.9 | 50.3 | 51.2 | 47.8 | 50.1 | 50.6 | 48.4 | 46.9 | 45.5 |
| Number | 3 | 3 | — | 5 | 9 | 11 | 6 | 8 | 4 | 6 | 13 | 57 |
| Local Mean Difference | — | — | — | 5.7 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 4.8 | — | — | -2.8 | — | — | 2.9 | — | — |
| INDIVIDUALIZATION | 47.2 | 45.2 | — | 47.0 | 45.3 | 50.1 | 43.0 | 45.5 | 49.6 | 51.5 | 44.9 | 41.5 |
| Number | 3 | 3 | — | 5 | 9 | 11 | 6 | 8 | 4 | 6 | 13 | 57 |
| Local Mean Difference | — | — | — | — | — | — | -2.5 | — | — | 6.7 | — | — |
| Best Match Mean Difference | — | — | — | -3.2 | — | — | -6.6 | — | — | 10.0 | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 51.9 | 49.6 | — | 50.0 | 53.4 | 51.0 | 50.9 | 47.1 | 45.8 | 54.8 | 48.4 | 48.6 |
| Number | 3 | 3 | — | 4 | 8 | 11 | 6 | 8 | 4 | 6 | 13 | 57 |
| Local Mean Difference | — | — | — | -3.4 | — | — | 3.8 | — | — | 6.4 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 5.0 | — | — | 6.2 | — | — |
| SATISFACTION WITH SPONSOR | 56.2 | 45.0 | — | 56.3 | 40.9 | 46.7 | 59.4 | 46.7 | 35.0 | 53.1 | 47.2 | 49.0 |
| Number | 3 | 3 | — | 5 | 9 | 4 | 6 | 5 | 4 | 6 | 7 | 32 |
| Local Mean Difference | 11.3 | — | — | 15.4 | — | — | 12.6 | — | — | 5.9 | — | — |
| Best Match Mean Difference | — | — | — | 9.6 | — | — | 24.4 | — | — | 4.1 | — | — |
| BEST MATCHED SITE | | | | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

Table CII-IIIK-5

### STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1975) FOR THE COHORT III KINDERGARTEN SITES IN THE IELP MODEL

| | SPONSOR'S SITES | | | LOCK HAVEN, PA | | | MONTEVIDEO, MN | | | AKRON, OH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 50.6 | 50.4 | — | 49.2 | 52.6 | 53.1 | 52.7 | 51.4 | 51.2 | 49.8 | 47.3 | 50.9 |
| Number | 3 | 3 | — | 30 | 30 | 28 | 42 | 41 | 19 | 29 | 26 | 133 |
| Local Mean Difference | — | — | — | -3.5 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -3.9 | — | — | — | — | — | — | — | — |
| SCHOOL HELPED CHILD | 50.6 | 48.0 | — | 50.9 | 47.6 | 50.3 | 51.0 | 49.4 | 54.3 | 50.0 | 46.9 | 47.2 |
| Number | 3 | 3 | — | 30 | 30 | 28 | 42 | 41 | 19 | 29 | 26 | 133 |
| Local Mean Difference | 2.7 | — | — | 3.3 | — | — | — | — | — | 3.1 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -3.3 | — | — | 2.8 | — | — |
| PAC INVOLVEMENT | 52.8 | 45.2 | — | 54.6 | 44.1 | 41.9 | 49.0 | 43.5 | 45.3 | 54.7 | 48.0 | 45.2 |
| Number | 3 | 3 | — | 30 | 29 | 24 | 39 | 40 | 18 | 29 | 22 | 128 |
| Local Mean Difference | 7.6 | — | — | 10.5 | — | — | 5.5 | — | — | 6.7 | — | — |
| Best Match Mean Difference | — | — | — | 12.7 | — | — | 3.7 | — | — | 9.5 | — | — |
| CHILD READS AT HOME | 49.1 | 51.0 | — | 48.6 | 52.0 | 51.1 | 47.1 | 46.7 | 46.2 | 51.5 | 54.4 | 50.3 |
| Number | 3 | 3 | — | 30 | 30 | 28 | 42 | 41 | 19 | 29 | 26 | 133 |
| Local Mean Difference | — | — | — | -3.4 | — | — | — | — | — | -3.0 | — | — |
| Best Match Mean Difference | — | — | — | -2.5 | — | — | — | — | — | — | — | — |
| CHILD'S PROG IN SCHOOL | 49.3 | 48.5 | — | 47.8 | 49.8 | 48.3 | 53.4 | 50.8 | 56.9 | 46.7 | 45.0 | 47.8 |
| Number | 3 | 3 | — | 30 | 30 | 28 | 42 | 41 | 19 | 29 | 26 | 133 |
| Local Mean Difference | — | — | — | — | — | — | 2.5 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -3.5 | — | — | — | — | — |
| CHILD READ TO AT HOME | 49.6 | 49.2 | — | 52.2 | 49.8 | 50.7 | 47.0 | 47.0 | 49.2 | 49.7 | 50.9 | 52.0 |
| Number | 3 | 3 | — | 30 | 30 | 28 | 42 | 41 | 19 | 29 | 26 | 133 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| PARENT VISITS TO SCHOOL | 48.7 | 48.4 | — | 47.4 | 45.8 | 45.1 | 45.8 | 47.5 | 46.6 | 53.1 | 51.8 | 49.6 |
| Number | 3 | 3 | — | 30 | 30 | 28 | 42 | 41 | 19 | 29 | 26 | 133 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | 3.5 | — | — |
| CHILD'S EMOT ADJUST | 50.2 | 48.5 | — | 50.9 | 48.4 | 48.6 | 47.0 | 46.7 | 48.2 | 52.6 | 50.4 | 49.5 |
| Number | 3 | 3 | — | 30 | 30 | 28 | 41 | 41 | 19 | 29 | 26 | 133 |
| Local Mean Difference | — | — | — | 2.5 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | 3.2 | — | — |
| SCH HELPED WITH CHILD | 51.5 | 47.3 | — | 52.1 | 45.8 | 43.5 | 46.9 | 45.3 | 49.6 | 55.4 | 50.8 | 48.8 |
| Number | 3 | 3 | — | 30 | 30 | 28 | 42 | 41 | 19 | 29 | 26 | 133 |
| Local Mean Difference | 4.2 | — | — | 6.4 | — | — | — | — | — | 4.5 | — | — |
| Best Match Mean Difference | — | — | — | 8.6 | — | — | -2.7 | — | — | 6.6 | — | — |
| SCHOOL'S RECEPTIVITY | 49.8 | 46.8 | — | 47.7 | 45.5 | 47.5 | 52.3 | 48.0 | 50.1 | 49.3 | 46.9 | 47.1 |
| Number | 3 | 3 | — | 30 | 30 | 28 | 42 | 41 | 19 | 29 | 26 | 132 |
| Local Mean Difference | 3.0 | — | — | — | — | — | 4.3 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| PARENT LOCUS | 49.2 | 47.6 | — | 52.3 | 47.4 | 48.2 | 43.4 | 45.6 | 44.6 | 51.9 | 49.9 | 50.7 |
| Number | 3 | 3 | — | 30 | 30 | 28 | 42 | 41 | 19 | 29 | 26 | 132 |
| Local Mean Difference | — | — | — | 5.0 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 4.1 | — | — | — | — | — | — | — | — |
| SCH HELPED PERSONALLY | 52.8 | 47.1 | — | 57.0 | 47.1 | 44.2 | 47.0 | 46.4 | 49.4 | 54.5 | 47.8 | 49.1 |
| Number | 3 | 3 | — | 30 | 30 | 28 | 42 | 41 | 19 | 29 | 26 | 133 |
| Local Mean Difference | 5.7 | — | — | 9.9 | — | — | — | — | — | 6.6 | — | — |
| Best Match Mean Difference | — | — | — | 12.8 | — | — | — | — | — | 5.4 | — | — |
| PARENT-CHILD INTERACTION | 49.3 | 50.4 | — | 49.6 | 52.7 | 48.0 | 48.3 | 47.5 | 51.7 | 50.0 | 51.0 | 51.6 |
| Number | 3 | 3 | — | 30 | 30 | 28 | 42 | 41 | 19 | 29 | 26 | 133 |
| Local Mean Difference | — | — | — | -3.1 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -3.3 | — | — | — | — | — |
| BEST MATCHED SITE | | | | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

## Table C11-IIIK-6

## PROPORTION OF ATTRITION AND DESCRIPTIVE INFORMATION FOR IELP MODEL

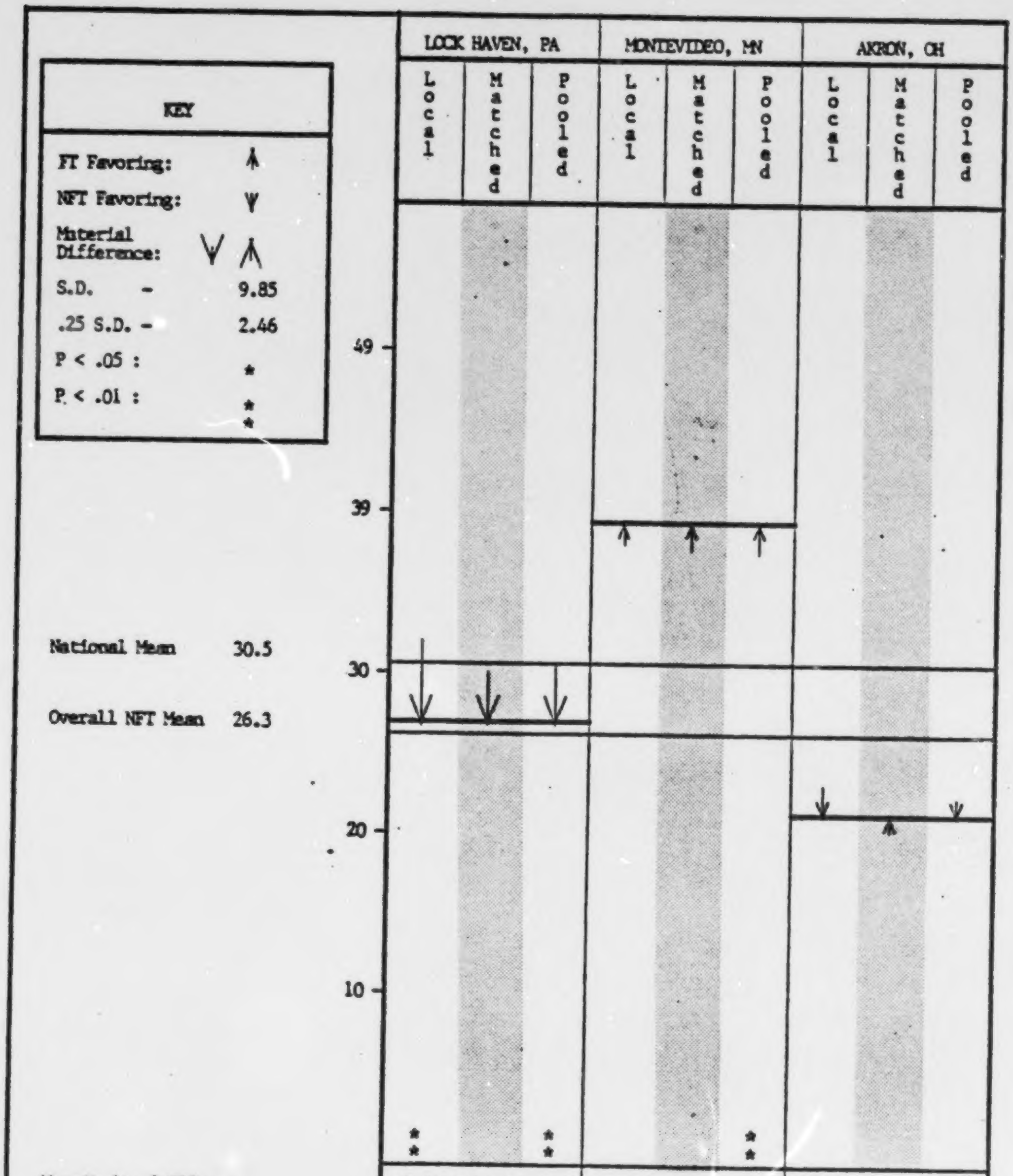
| | | Lock Haven, PA | | Montevideo, MN | | Akron, OH | |
|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT |
| **NUMBER** | | | | | | | |
| **Total Registration** | **N** | 123 | 120 | 147 | 206 | 161 | 219 |
| **Children Retained (Analytic Sample)** | **N** | 48 | 61 | 117 | 141 | 79 | 59 |
| **Children Not Retained (Program and Sample Attrition)** | **N** | 75 | 59 | 30 | 65 | 82 | 160 |
| | **%*** | 61 | 49 | 20 | 32 | 51 | 73 |
| **Children Not Retained (Sample Attrition)** | **N** | 9 | 7 | 1 | 4 | 15 | 32 |
| | **%*** | 7 | 6 | 1 | 2 | 9 | 15 |
| **WRAT** | | | | | | | |
| Total Registration | Mean | 26.5 | 30.5 | 39.0 | 35.5 | 25.5 | 24.7 |
| | Standard Deviation | 11.3 | 13.4 | 11.3 | 12.1 | 10.0 | 11.6 |
| | Number | 113 | 115 | 137 | 199 | 146 | 185 |
| Children Retained (Analytic Sample) | Mean | 29.7 | 31.9 | 39.5 | 36.9 | 26.3 | 23.4 |
| | Standard Deviation | 11.0 | 12.0 | 11.5 | 11.9 | 9.0 | 8.9 |
| | Number | 44 | 61 | 110 | 140 | 73 | 58 |
| Children Not Retained (Program and Sample Attrition) | Mean | 24.4 | 29.0 | 37.2 | 32.2 | 24.8 | 25.4 |
| | Standard Deviation | 11.1 | 14.8 | 10.5 | 12.1 | 10.9 | 12.6 |
| | Number | 69 | 54 | 27 | 59 | 73 | 127 |
| Children Not Retained (Sample Attrition) | Mean | 26.8 | 37.7 | 38.0 | 35.5 | 18.3 | 26.6 |
| | Standard Deviation | 14.8 | 14.2 | 0 | 10.9 | 9.6 | 8.8 |
| | Number | 9 | 7 | 1 | 4 | 15 | 32 |
| **INCOME** | | | | | | | |
| Total Registration | Mean | 4452 | 7048 | 7528 | 7322 | 3803 | 6154 |
| | Standard Deviation | 2065 | 2342 | 2506 | 2356 | 2255 | 2938 |
| | Number | 93 | 106 | 118 | 176 | 99 | 99 |
| Children Retained (Analytic Sample) | Mean | 4931 | 7580 | 7692 | 7534 | 3991 | 6336 |
| | Standard Deviation | 2289 | 2137 | 2423 | 2346 | 2187 | 3381 |
| | Number | 36 | 57 | 96 | 124 | 53 | 28 |
| Children Not Retained (Program and Sample Attrition) | Mean | 4149 | 6428 | 6813 | 6817 | 3587 | 6083 |
| | Standard Deviation | 1868 | 2438 | 2790 | 2327 | 2336 | 2767 |
| | Number | 57 | 49 | 22 | 52 | 46 | 71 |
| Children Not Retained (Sample Attrition) | Mean | 4087 | 7866 | 9999 | 7049 | 4870 | 5814 |
| | Standard Deviation | 2402 | 1264 | 0 | 2881 | 2492 | 2238 |
| | Number | 8 | 6 | 1 | 4 | 10 | 21 |

*Percent of Total Registration.

1204

Table CII-IIIK-7

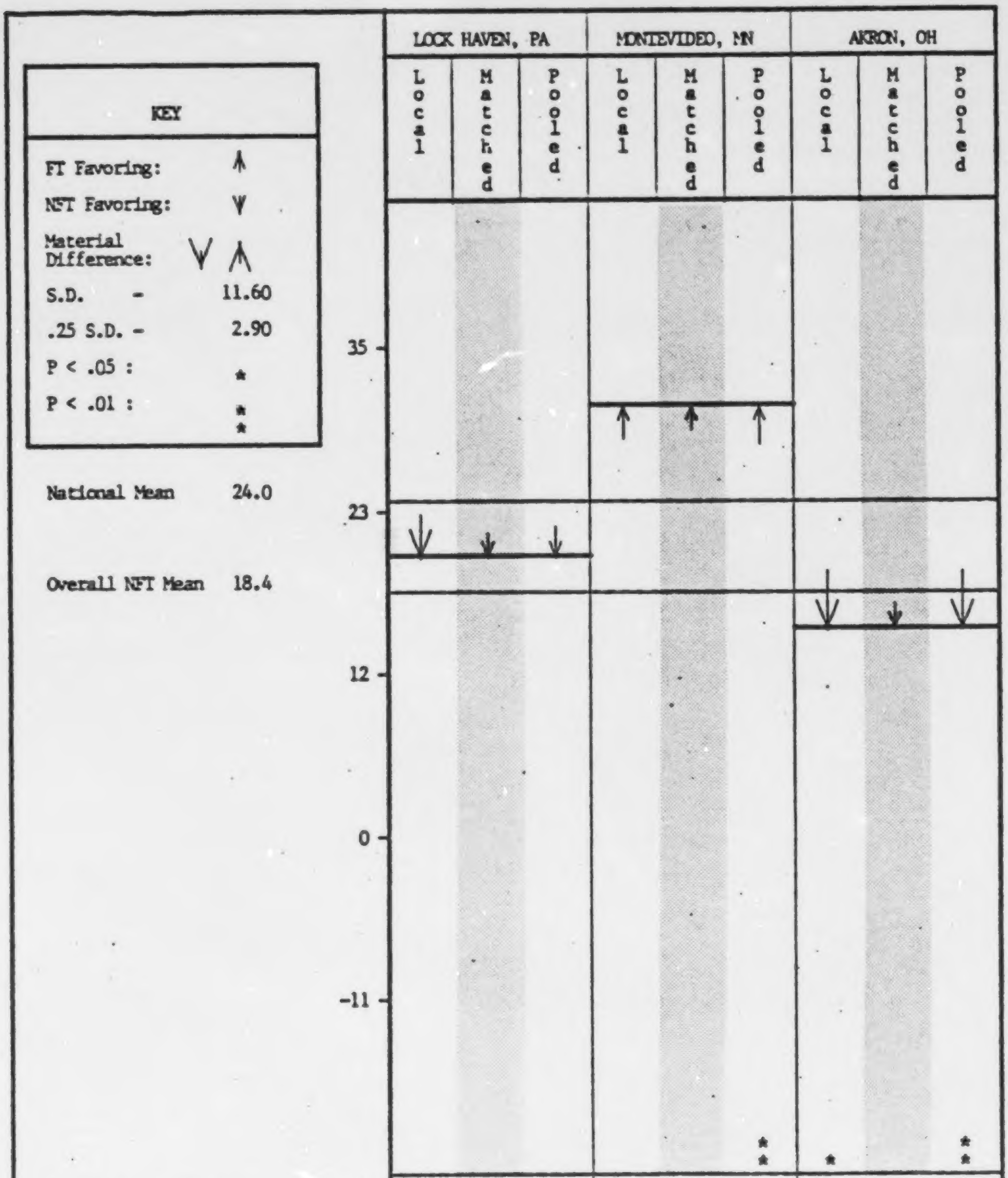
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT WORD KNOWLEDGE FOR COHORT III KINDERGARTEN SITES IN THE IELP MODEL



| | LOCK HAVEN, PA | | | MONTEVIDEO, MN | | | AKRON, OH | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -5.13 | -3.08 | -3.72 | 1.30 | 1.56 | 1.75 | -1.70 | 1.00 | -0.72 |
| Standard Error | 1.73 | 2.41 | 1.23 | 1.08 | 1.14 | 0.57 | 1.58 | 2.91 | 0.91 |
| FT Mean | 26.69 | | | 38.94 | | | 21.14 | | |
| No. of FT Children | 48 | | | 117 | | | 79 | | |
| Matched NFT Site | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

## Table CII-IIIK-8

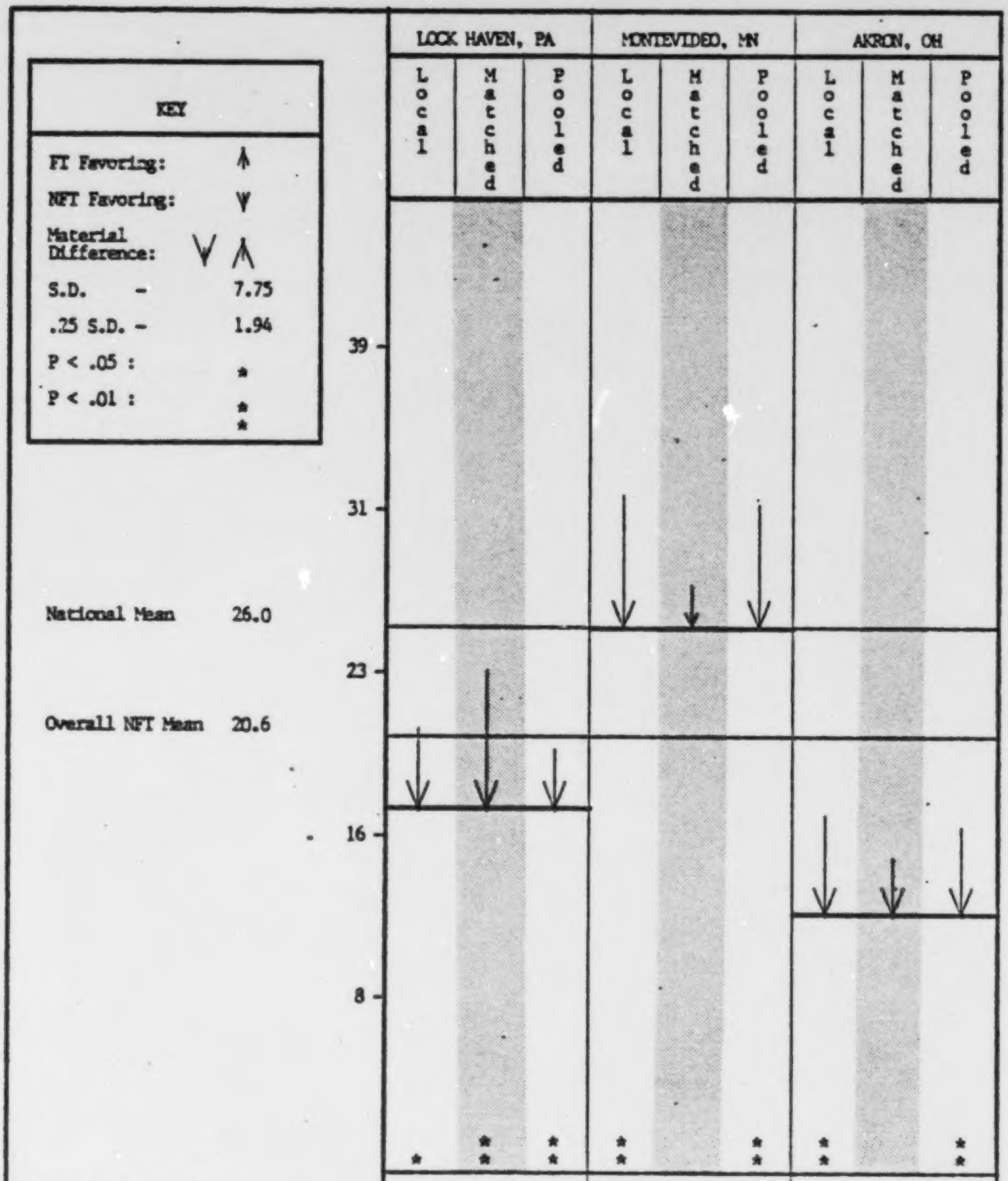
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT SPELLING FOR COHORT III KINDERGARTEN SITES IN THE IELP MODEL



| | LOCK HAVEN, PA Local | LOCK HAVEN, PA Matched | LOCK HAVEN, PA Pooled | MONTEVIDEO, MN Local | MONTEVIDEO, MN Matched | MONTEVIDEO, MN Pooled | AKRON, OH Local | AKRON, OH Matched | AKRON, OH Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -3.05 | -1.61 | -2.10 | 2.36 | 1.52 | 2.74 | -4.13 | -1.69 | -3.99 |
| Standard Error | 1.92 | 2.75 | 1.30 | 1.21 | 1.32 | 0.59 | 1.76 | 3.83 | 1.15 |
| FT Mean | 20.31 | | | 30.93 | | | 15.17 | | |
| No. of FT Children | 48 | | | 117 | | | 79 | | |
| Matched NFT Site | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

Table CII-IIIK-9

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE FOR COHORT III KINDERGARTEN SITES IN THE IELP MODEL



| | LOCK HAVEN, PA Local | LOCK HAVEN, PA Matched | LOCK HAVEN, PA Pooled | MONTEVIDEO, MN Local | MONTEVIDEO, MN Matched | MONTEVIDEO, MN Pooled | AKRON, OH Local | AKRON, OH Matched | AKRON, OH Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -3.91 | -6.66 | -2.97 | -6.22 | -1.91 | -5.88 | -4.76 | -2.78 | -4.23 |
| Standard Error | 1.66 | 1.96 | 1.03 | 1.04 | 1.67 | 0.75 | 1.52 | 2.15 | 0.61 |
| FT Mean | 16.98 | | | 25.69 | | | 11.92 | | |
| No. of FT Children | 48 | | | 117 | | | 79 | | |
| Matched NFT Site | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

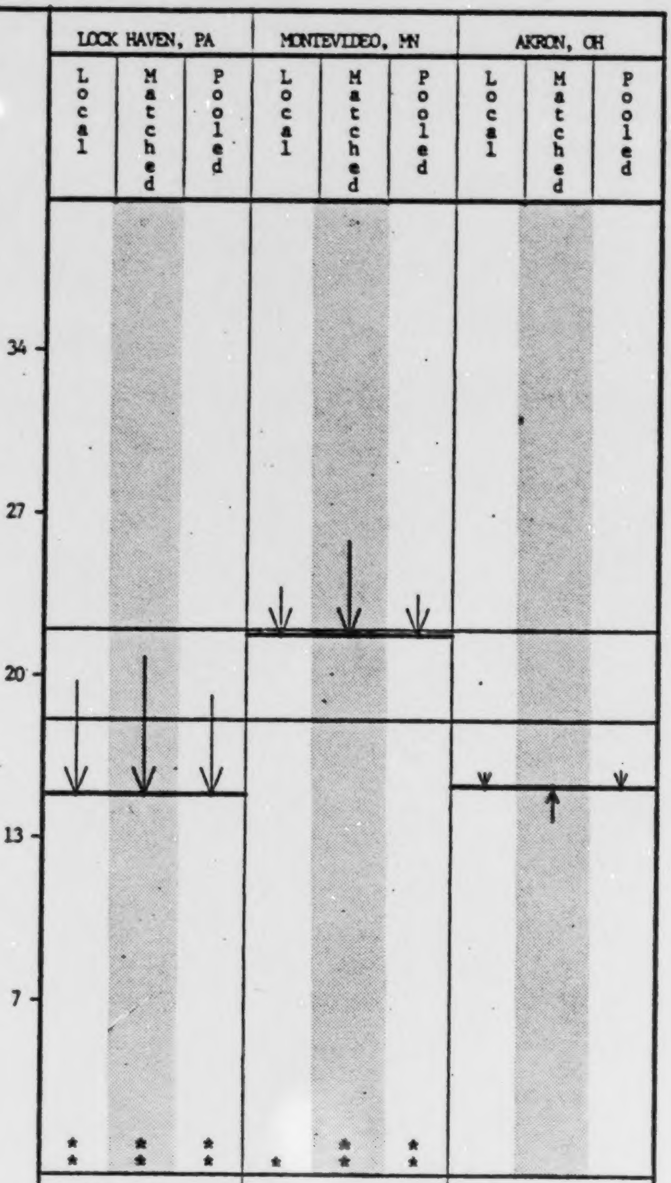
## Table CII-IIIK-10

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT III KINDERGARTEN SITES IN THE IELP MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. - | 6.71 |
| .25 S.D. - | 1.68 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.5

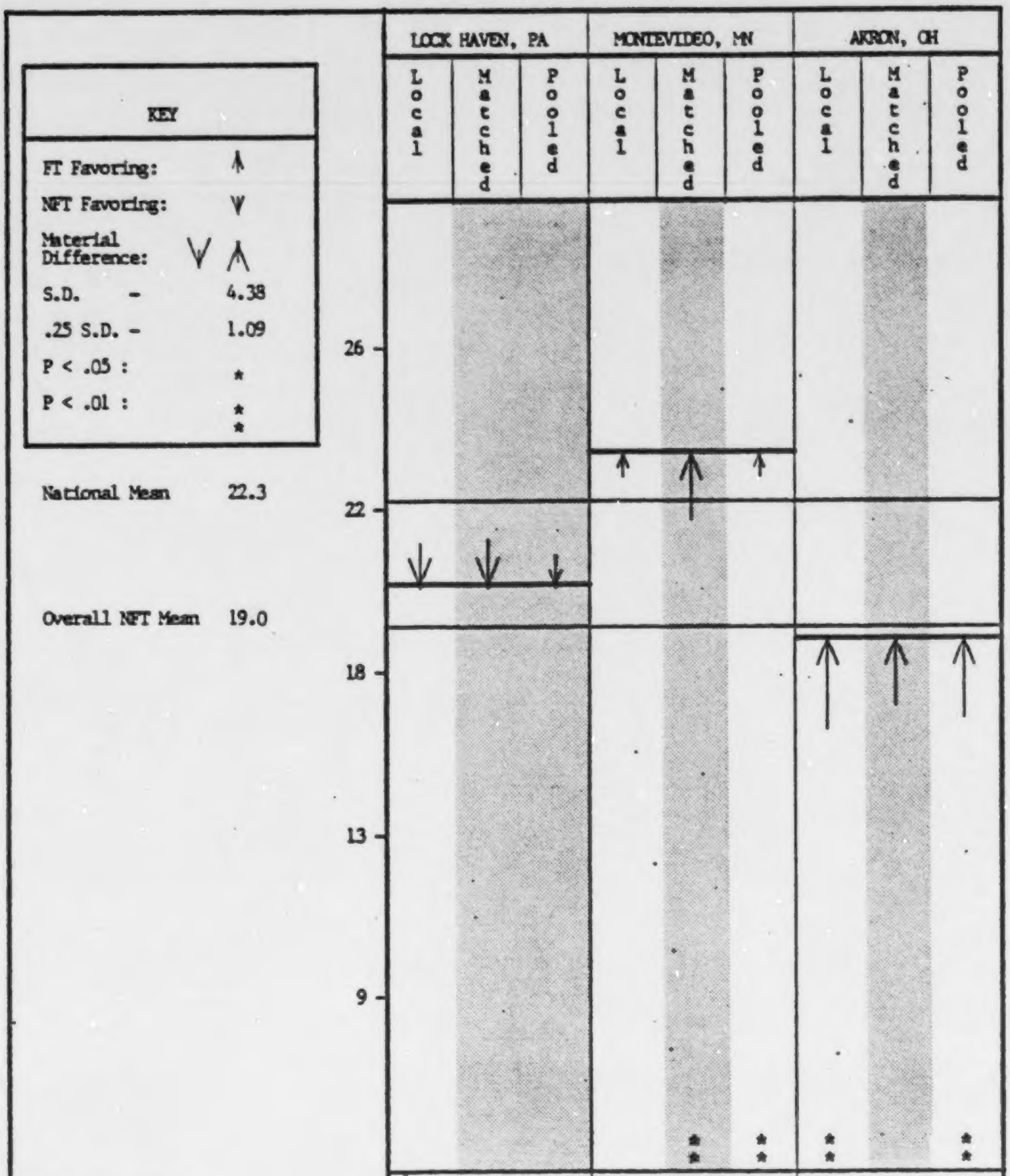
Overall NFT Mean 18.5



| | LOCK HAVEN, PA Local | LOCK HAVEN, PA Matched | LOCK HAVEN, PA Pooled | MONTEVIDEO, MN Local | MONTEVIDEO, MN Matched | MONTEVIDEO, MN Pooled | AKRON, OH Local | AKRON, OH Matched | AKRON, OH Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -4.68 | -5.72 | -4.06 | -2.05 | -4.02 | -1.78 | -0.13 | 1.38 | -0.37 |
| Standard Error | 1.44 | 1.68 | 0.96 | 0.90 | 1.42 | 0.68 | 1.32 | 1.98 | 0.66 |
| FT Mean | 15.40 | | | 21.88 | | | 15.67 | | |
| No. of FT Children | 48 | | | 117 | | | 79 | | |
| Matched NFT Site | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

Table CII-IIIK-11

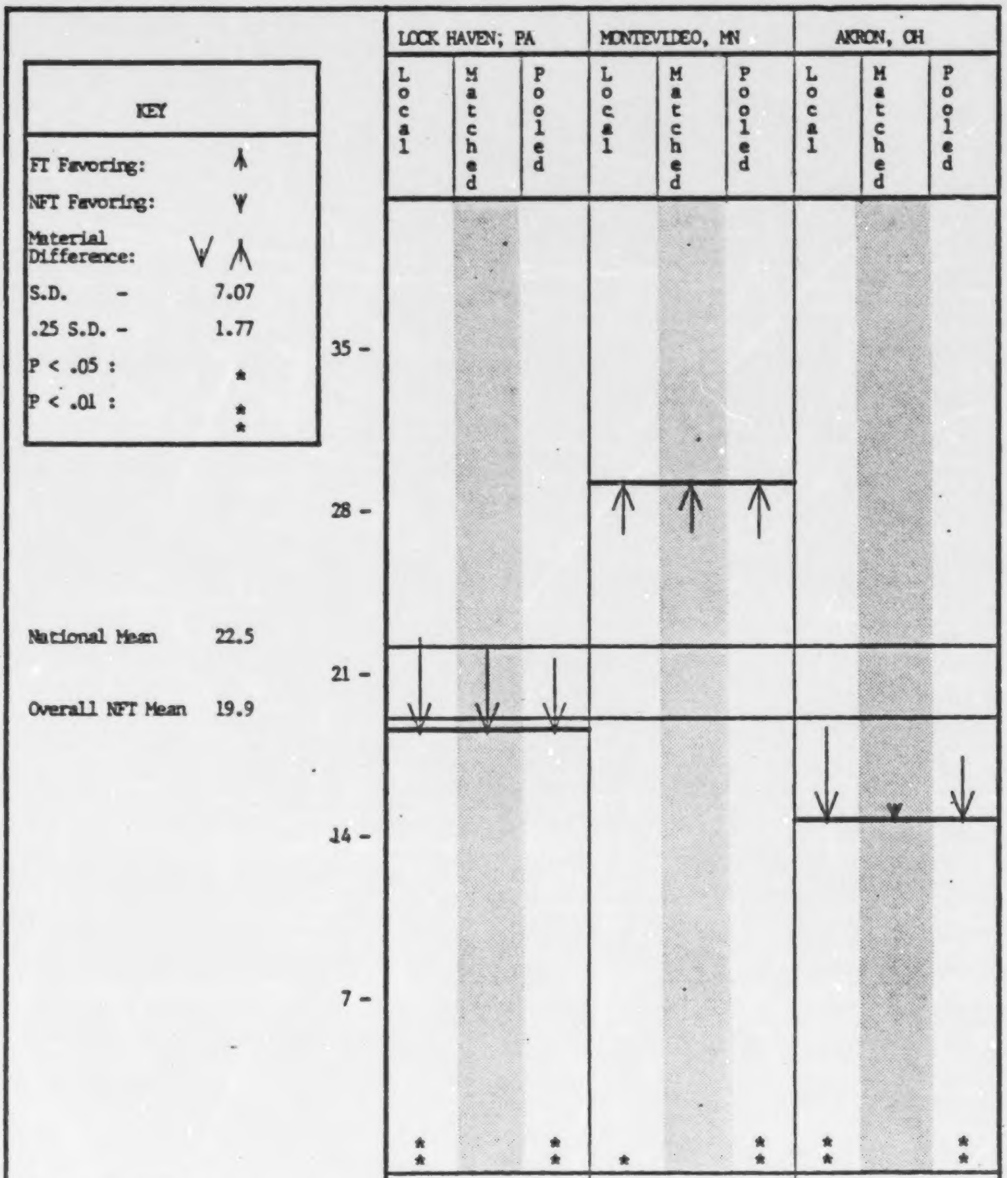
# ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE RAVEN'S PROGRESSIVE MATRICES FOR COHORT III KINDERGARTEN SITES IN THE IELP MODEL



| | Lock Haven, PA Local | Lock Haven, PA Matched | Lock Haven, PA Pooled | Montevideo, MN Local | Montevideo, MN Matched | Montevideo, MN Pooled | Akron, OH Local | Akron, OH Matched | Akron, OH Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -1.15 | -1.24 | -0.82 | 0.64 | 1.81 | 0.69 | 2.43 | 1.75 | 2.09 |
| Standard Error | 0.79 | 1.06 | 0.55 | 0.49 | 0.59 | 0.25 | 0.72 | 1.42 | 0.51 |
| FT Mean | 19.98 | | | 23.56 | | | 18.52 | | |
| No. of FT Children | 48 | | | 117 | | | 79 | | |
| Matched NFT Site | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

Table C11-IIIK-12

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT READING
FOR COHORT III KINDERGARTEN SITES
IN THE IELP MODEL



| | LOCK HAVEN, PA | | | MONTEVIDEO, MN | | | AKRON, OH | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -4.10 | -3.60 | -3.24 | 2.15 | 2.10 | 2.39 | -4.09 | -0.42 | -2.77 |
| Standard Error | 1.46 | 2.06 | 0.99 | 0.92 | 1.31 | 0.56 | 1.34 | 1.93 | 0.65 |
| FT Mean | 18.85 | | | 29.62 | | | 15.00 | | |
| No. of FT Children | 48 | | | 117 | | | 79 | | |
| Matched NFT Site | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

## Table C11-IIIK-13

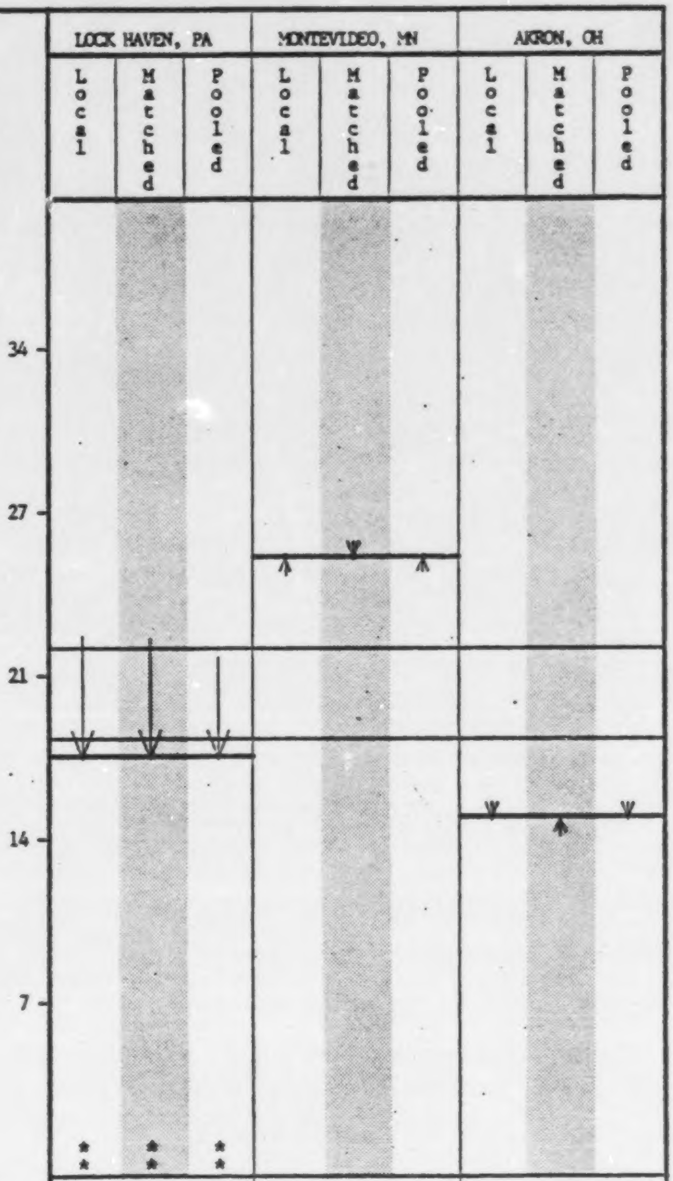
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS CONCEPTS FOR COHORT III KINDERGARTEN SITES IN THE IELP MODEL

KEY

FT Favoring: ∧
NFT Favoring: ∨
Material Difference: ∨ ∧
S.D. - 6.87
.25 S.D. - 1.72
P < .05 : *
P < .01 : **

National Mean 22.0

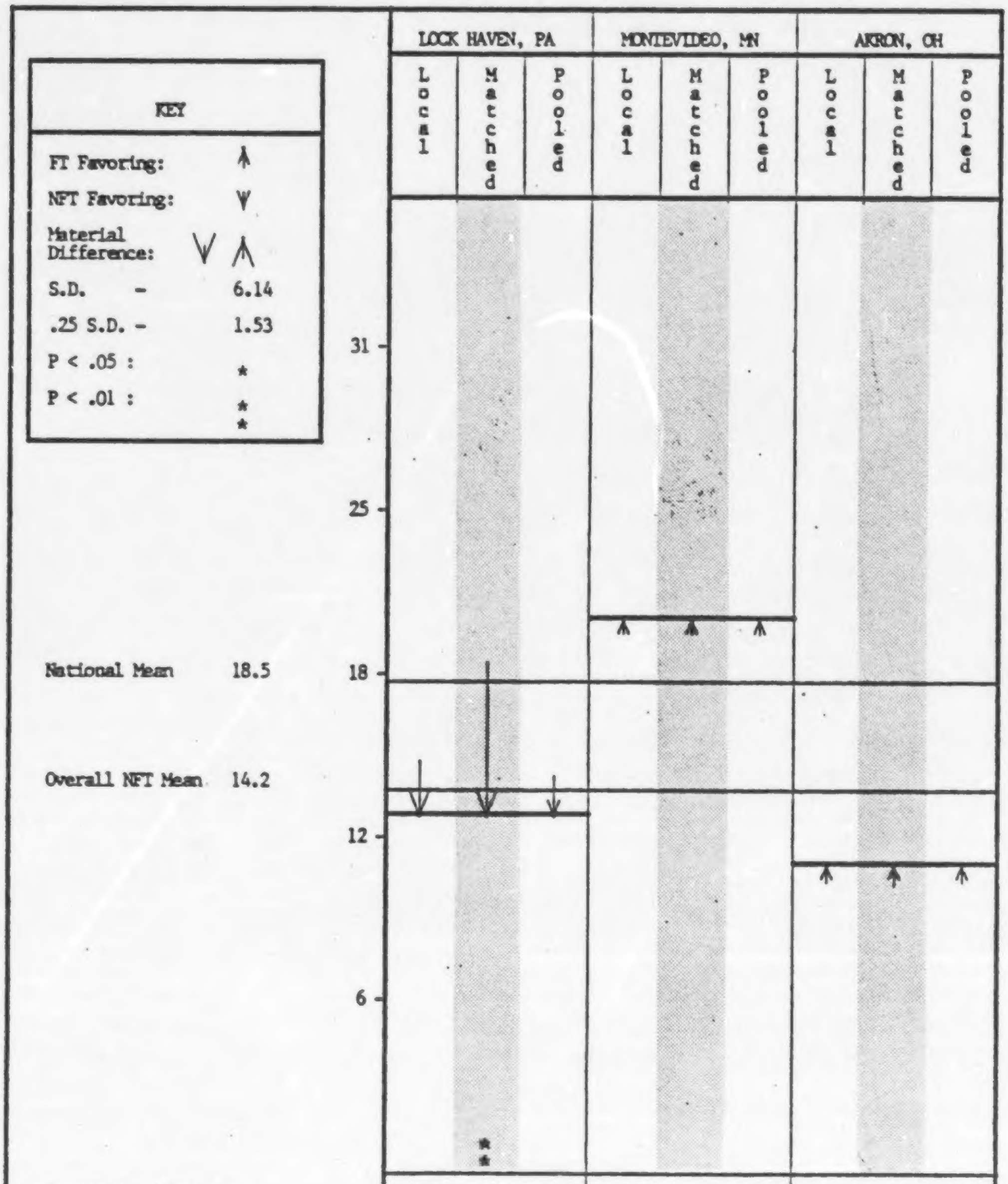
Overall NFT Mean 18.0



| | LOCK HAVEN, PA Local | Matched | Pooled | MONTEVIDEO, MN Local | Matched | Pooled | AKRON, OH Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -5.02 | -4.97 | -4.15 | 0.31 | -0.69 | 0.51 | -0.55 | 0.19 | -0.46 |
| Standard Error | 1.39 | 1.84 | 1.15 | 0.87 | 1.13 | 0.53 | 1.27 | 2.16 | 0.66 |
| FT Mean | 17.38 | | | 25.72 | | | 14.77 | | |
| No. of FT Children | 48 | | | 117 | | | 79 | | |
| Matched NFT Site | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

Table C11-IIIK-14

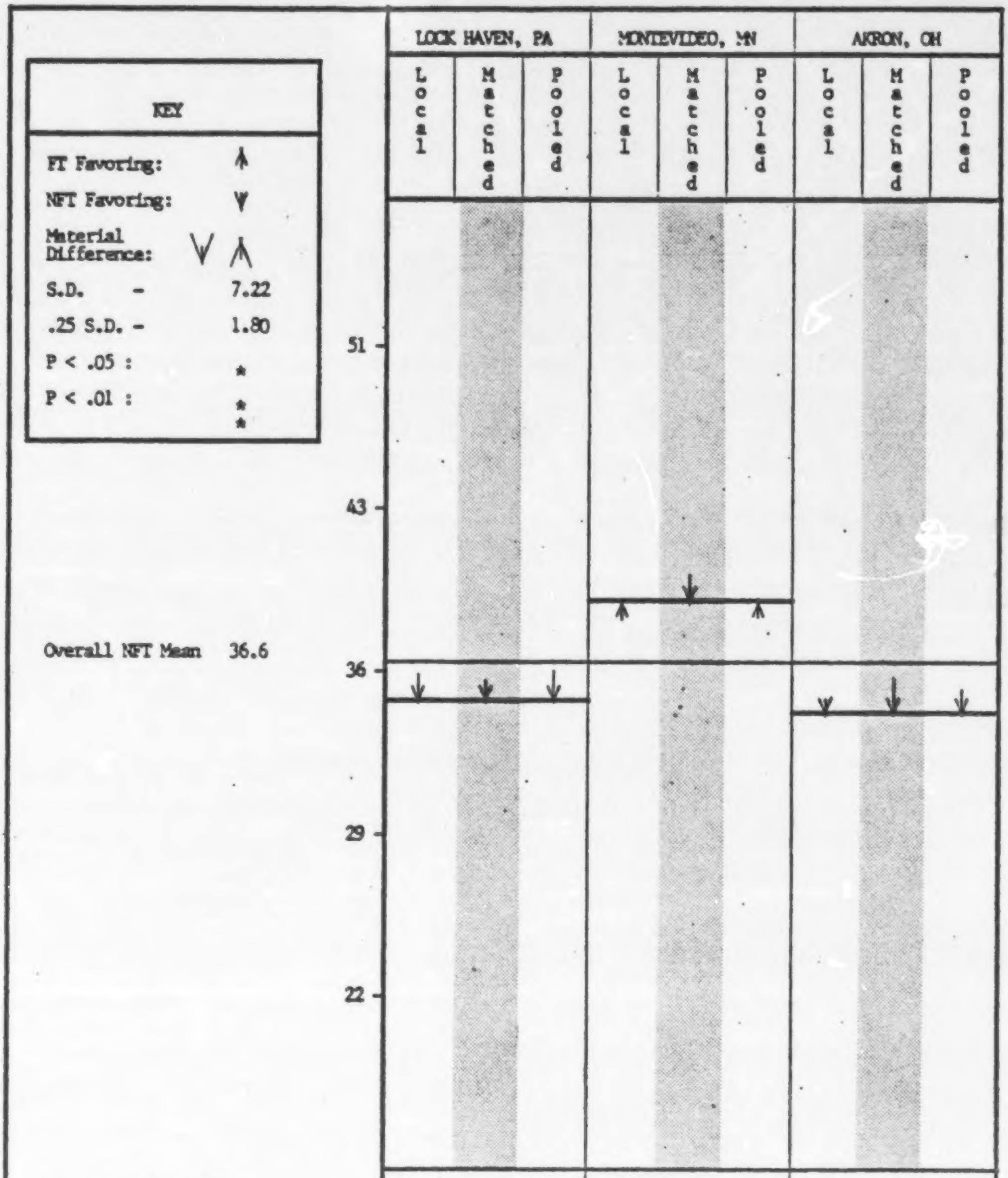
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT III KINDERGARTEN SITES IN THE IELP MODEL



| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -2.04 | -5.80 | -1.43 | 0.19 | 0.13 | 0.39 | 0.20 | 0.73 | 0.66 |
| Standard Error | 1.40 | 1.60 | 0.90 | 0.88 | 1.39 | 0.65 | 1.28 | 1.75 | 0.62 |
| FT Mean | 13.25 | | | 20.68 | | | 11.42 | | |
| No. of FT Children | 48 | | | 117 | | | 79 | | |
| Matched NFT Site | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

Table C11-IIIK-15

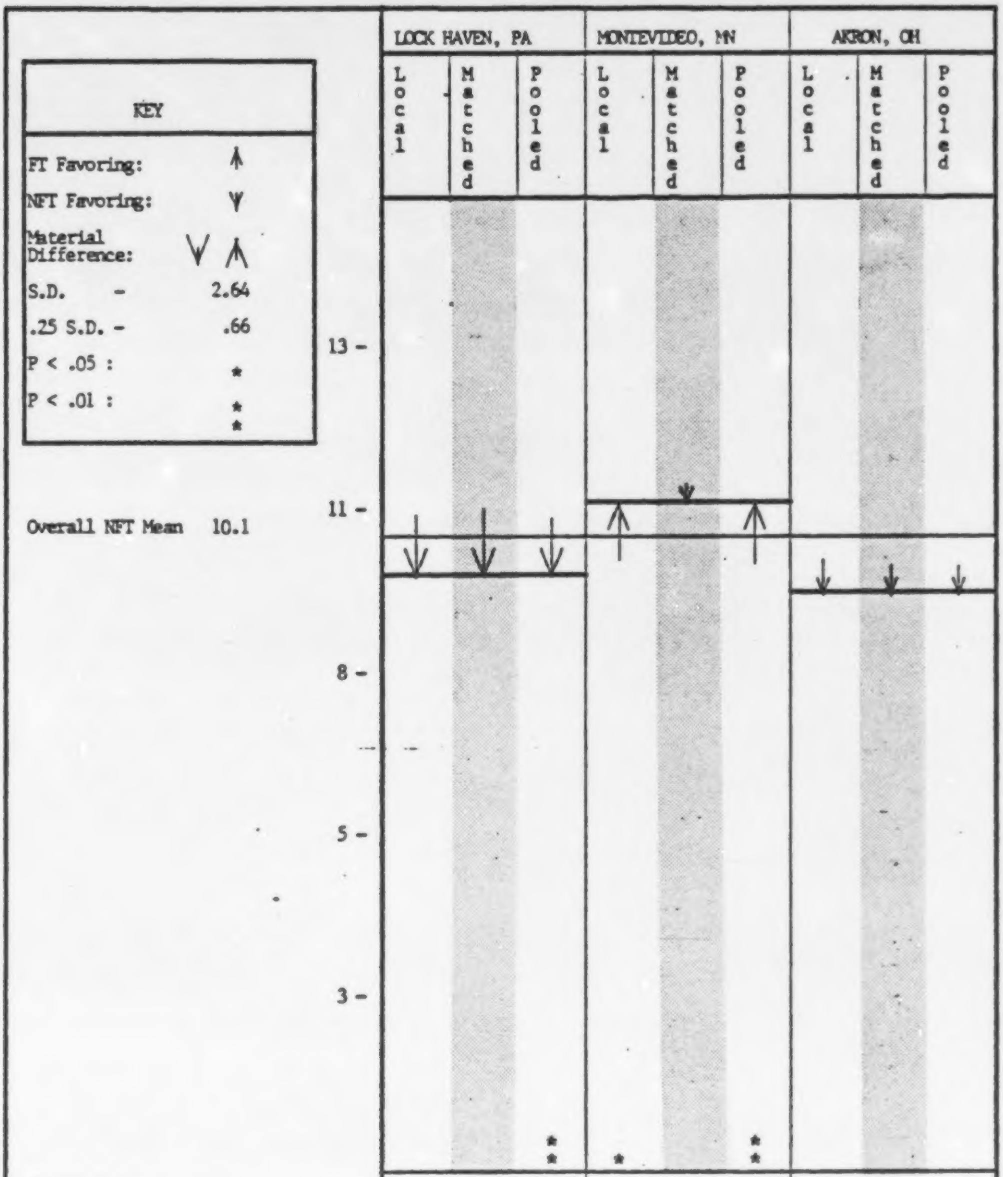
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT III KINDERGARTEN SITES IN THE IELP MODEL



| | LOCK HAVEN, PA Local | LOCK HAVEN, PA Matched | LOCK HAVEN, PA Pooled | MONTEVIDEO, MN Local | MONTEVIDEO, MN Matched | MONTEVIDEO, MN Pooled | AKRON, OH Local | AKRON, OH Matched | AKRON, OH Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -1.14 | -0.93 | -1.26 | 0.39 | -1.26 | 0.43 | -0.74 | -1.57 | -1.15 |
| Standard Error | 1.61 | 1.97 | 1.00 | 1.01 | 1.52 | 0.73 | 1.48 | 2.48 | 0.94 |
| FT Mean | 34.96 | | | 39.33 | | | 34.38 | | |
| No. of FT Children | 48 | | | 117 | | | 79 | | |
| Matched NFT Site | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

## Table C11-IIIK-16

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT III KINDERGARTEN SITES IN THE IELP MODEL



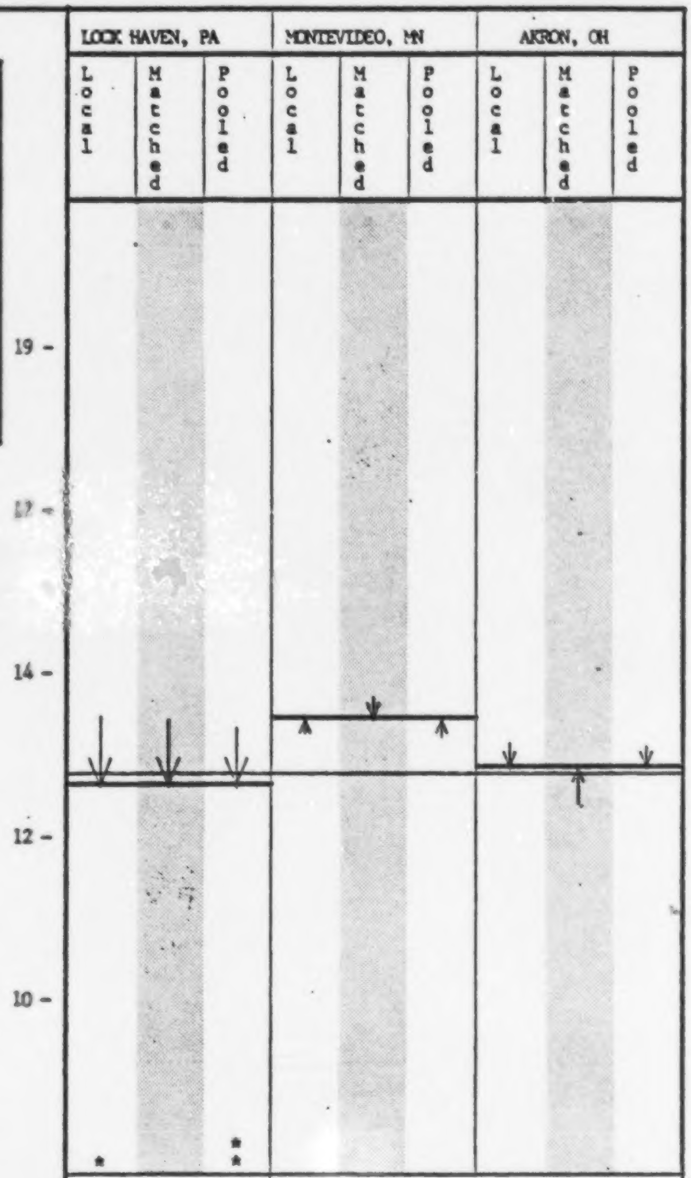
| | LOCK HAVEN, PA Local | LOCK HAVEN, PA Matched | LOCK HAVEN, PA Pooled | MONTEVIDEO, MN Local | MONTEVIDEO, MN Matched | MONTEVIDEO, MN Pooled | AKRON, OH Local | AKRON, OH Matched | AKRON, OH Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.99 | -1.06 | -0.91 | 0.94 | -0.08 | 0.98 | -0.54 | -0.48 | -0.47 |
| Standard Error | 0.60 | 0.62 | 0.33 | 0.37 | 0.49 | 0.21 | 0.54 | 0.95 | 0.34 |
| FT Mean | 9.54 | | | 10.74 | | | 9.23 | | |
| No. of FT Children | 48 | | | 117 | | | 79 | | |
| Matched NFT Site | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

Table C11-IIIK-17

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE

## FOR COHORT III KINDERGARTEN SITES IN THE IELP MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 2.39 |
| .25 S.D. - | .60 |
| P < .05 : | * |
| P < .01 : | ** |

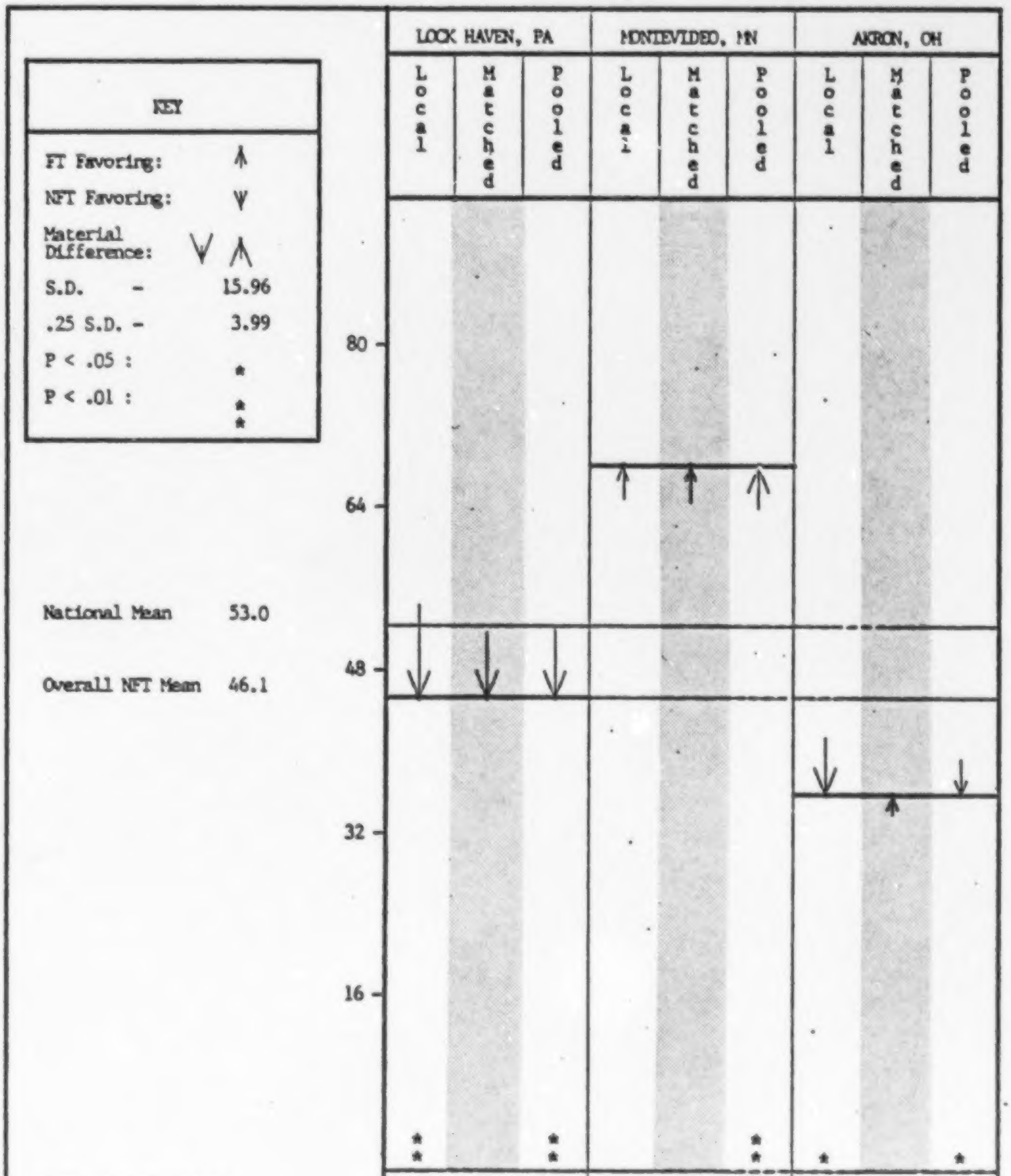


Overall NFT Mean 13.1

| | LOCK HAVEN, PA Local | LOCK HAVEN, PA Matched | LOCK HAVEN, PA Pooled | MONTEVIDEO, MN Local | MONTEVIDEO, MN Matched | MONTEVIDEO, MN Pooled | AKRON, OH Local | AKRON, OH Matched | AKRON, OH Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -1.02 | -0.95 | -0.86 | 0.10 | -0.30 | 0.12 | -0.37 | 0.53 | -0.30 |
| Standard Error | 0.48 | 0.54 | 0.30 | 0.30 | 0.39 | 0.18 | 0.44 | 0.82 | 0.34 |
| FT Mean | 12.79 | | | 13.78 | | | 13.05 | | |
| No. of FT Children | 48 | | | 117 | | | 79 | | |
| Matched NFT Site | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

Table C11-IIIK-18

# ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL READING FOR COHORT III KINDERGARTEN SITES IN THE IELP MODEL



| | LOCK HAVEN, PA | | | MONTEVIDEO, MN | | | AKRON, OH | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -9.24 | -6.68 | -6.97 | 3.46 | 3.67 | 4.14 | -5.79 | 0.58 | -3.49 |
| Standard Error | 2.94 | 4.16 | 2.06 | 1.84 | 2.24 | 1.03 | 2.69 | 4.46 | 1.43 |
| FT Mean | 45.54 | | | 68.56 | | | 36.14 | | |
| No. of FT Children | 48 | | | 117 | | | 79 | | |
| Matched NFT Site | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

Table C11-IIIK-19

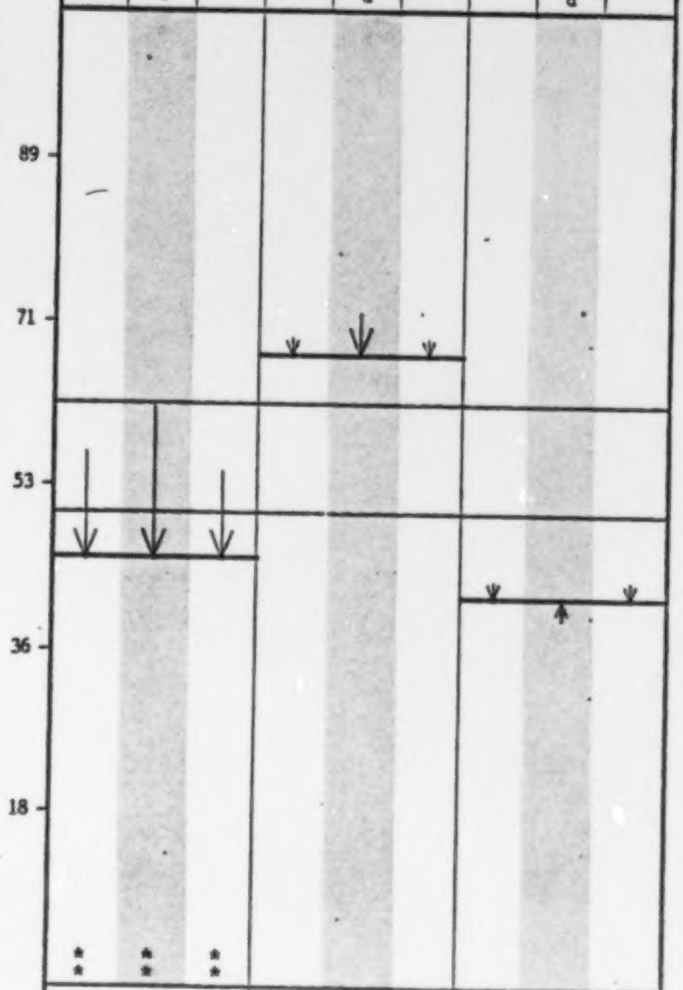
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT TOTAL MATH
*FOR COHORT III KINDERGARTEN SITES*
IN THE IELP MODEL

KEY

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 17.83 |
| .25 S.D. - | 4.46 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 63.0

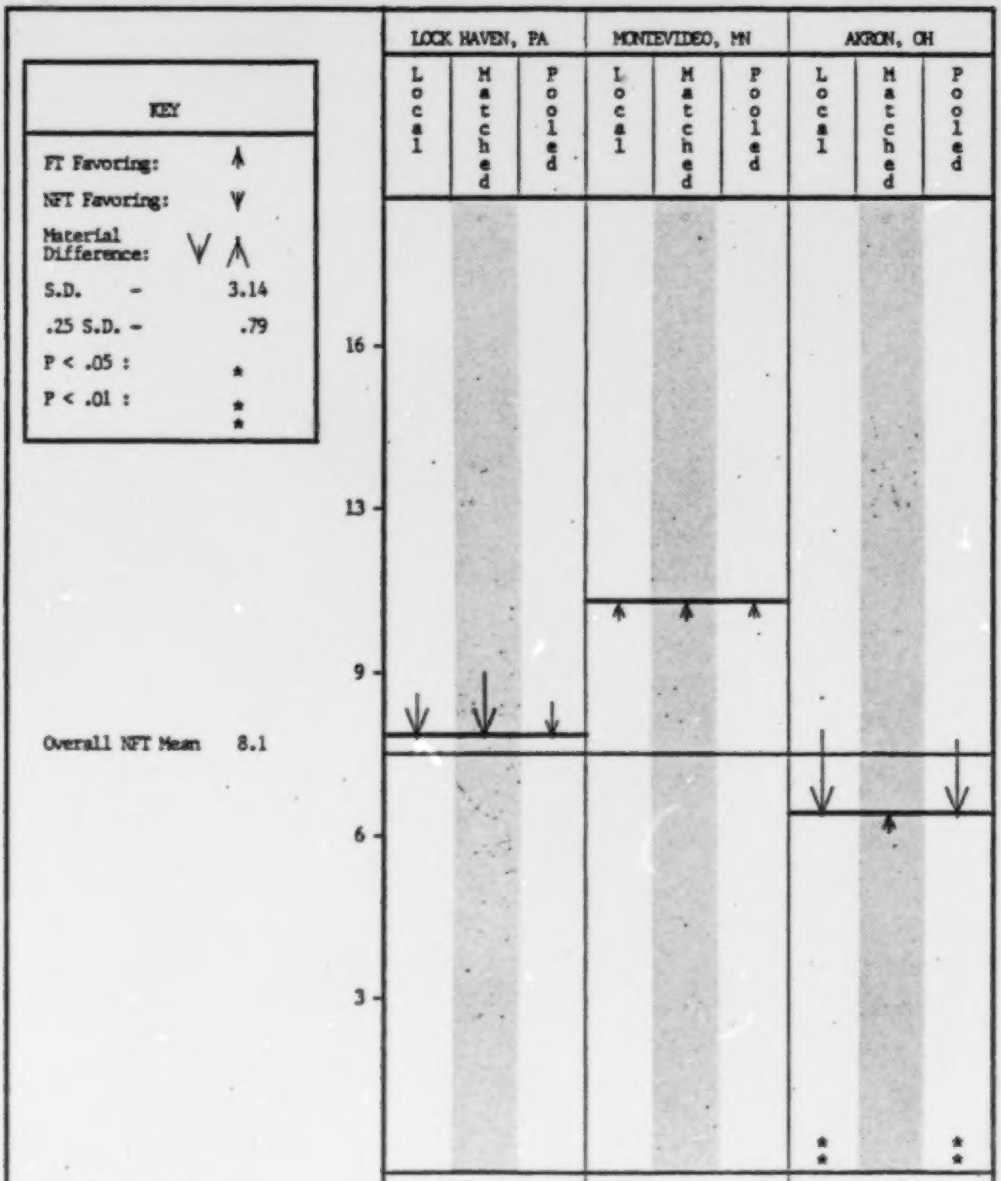
Overall NFT Mean 50.8



| | LOCK HAVEN, PA | | | MONTEVIDEO, MN | | | AKRON, OH | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -11.74 | -16.49 | -9.60 | -1.56 | -4.57 | -0.82 | -0.48 | 2.30 | -0.13 |
| Standard Error | 3.80 | 4.57 | 2.70 | 2.38 | 3.64 | 1.74 | 3.47 | 5.24 | 1.68 |
| FT Mean | 46.02 | | | 68.27 | | | 41.86 | | |
| No. of FT Children | 48 | | | 117 | | | 79 | | |
| Matched NFT Site | Okaloosa Co., Fl. | | | W. Iron Co., MI | | | Philadelphia, PA | | |

### Table C11-IIIK-20

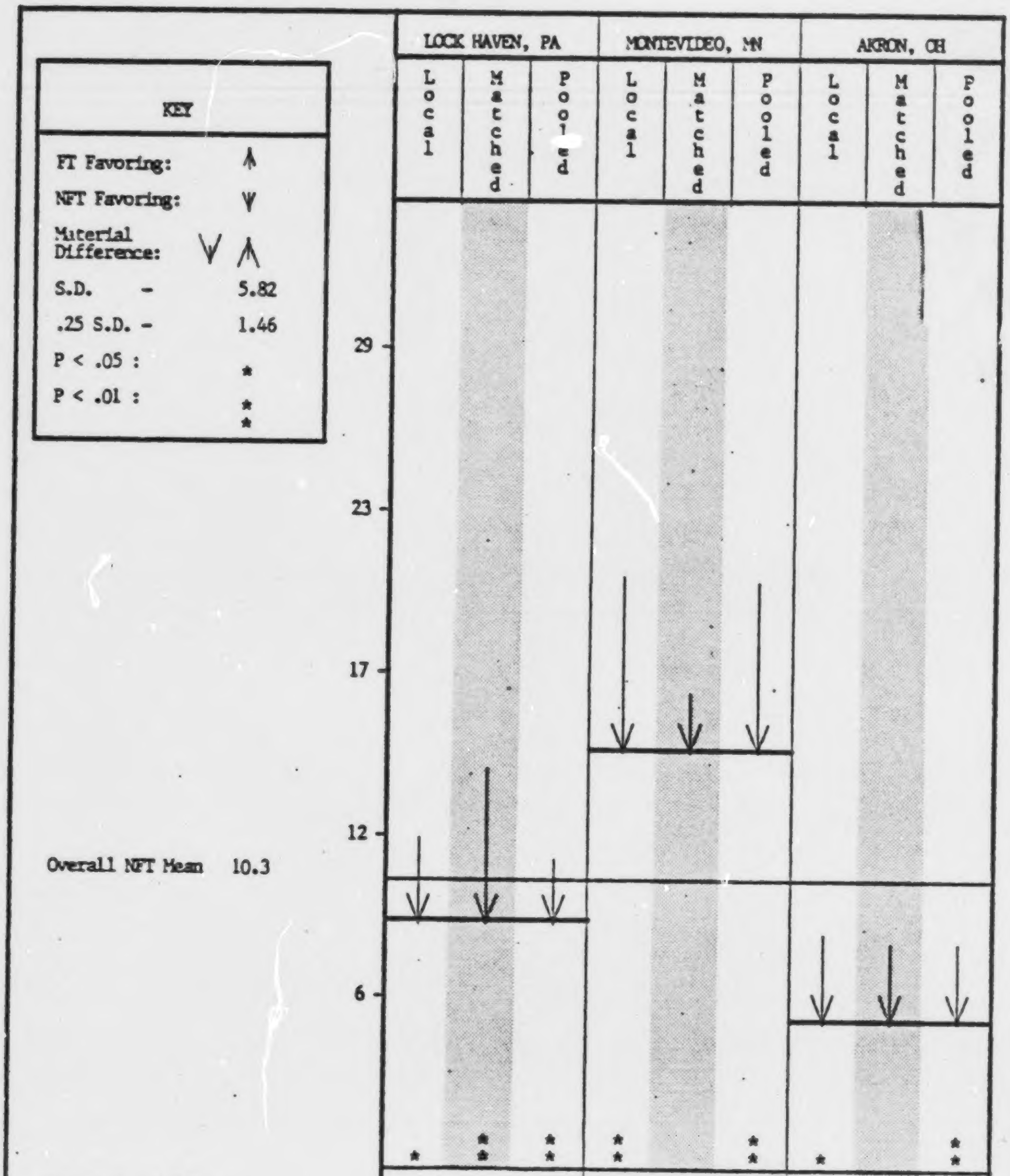
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT III KINDERGARTEN SITES IN THE IELP MODEL



| | LOCK HAVEN, PA | | | MONTEVIDEO, MN | | | AKRON, OH | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.85 | -1.20 | -0.67 | 0.04 | 0.10 | 0.14 | -1.60 | 0.05 | -1.47 |
| Standard Error | 0.61 | 0.70 | 0.42 | 0.38 | 0.49 | 0.22 | 0.56 | 1.02 | 0.37 |
| FT Mean | 8.29 | | | 10.86 | | | 6.79 | | |
| No. of FT Children | 48 | | | 117 | | | 79 | | |
| Matched NFT Site | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

Table C11-IIIK-21

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT LANGUAGE PART B
FOR COHORT III KINDERGARTEN SITES
IN THE IELP MODEL



KEY

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ↓ ↑
S.D. - 5.82
.25 S.D. - 1.46
P < .05 : *
P < .01 : **

| | LOCK HAVEN, PA | | | MONTEVIDEO, MN | | | AKRON, OH | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | * | ** | ** | ** | | ** | * | | ** |
| Magnitude of Effect | -3.06 | -5.45 | -2.31 | -6.26 | -2.01 | -6.02 | -3.16 | -2.83 | -2.76 |
| Standard Error | 1.35 | 1.62 | 0.87 | 0.85 | 1.42 | 0.64 | 1.23 | 1.58 | 0.43 |
| FT Mean | 8.69 | | | 14.84 | | | 5.14 | | |
| No. of FT Children | 48 | | | 117 | | | 79 | | |
| Matched NFT Site | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

## Table C11-IIIK-22

## STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN FOR THE IELP MODEL

| | | SPONSOR'S SITES | | | LOCK HAVEN, PA | | | MONTEVIDEO, MN | | | AKRON, OH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAT NORM POPULATION | FT | NFT Local | Best Match | FT | NFT Local | Best Match | FT | NFT Local | Best Match | FT | NFT Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | |
| Third Grade Median | 61 | 60.2 | 61.7 | — | 56.5 | 62.6 | 59.0 | 71.4 | 68.6 | 69.6 | 52.7 | 53.9 | 51.9 |
| Median Percentile | 50 | 46.0 | 54.0 | 46.0 | 36.0 | 56.0 | 42.0 | 78.0 | 72.0 | 76.0 | 24.0 | 28.0 | 22.0 |
| Grade Equivalent | 3.5 | 3.4 | 3.6 | 3.4 | 3.1 | 3.7 | 3.3 | 4.6 | 4.4 | 4.5 | 2.7 | 2.8 | 2.6 |
| 1 Year or More Below Grade Level | 20 | 21.7 | 16.7 | — | 18.8 | 6.6 | 31.5 | 0.9 | 7.8 | 0.0 | 45.6 | 35.6 | 49.0 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 63.9 | 67.1 | — | 58.5 | 67.3 | 64.2 | 74.9 | 74.5 | 80.0 | 58.3 | 59.6 | 57.7 |
| Median Percentile | 50 | 28.0 | 38.0 | 38.0 | 16.0 | 38.0 | 28.0 | 66.0 | 62.0 | 77.0 | 14.0 | 18.0 | 14.0 |
| Grade Equivalent | 3.75 | 3.2 | 3.5 | 3.5 | 2.9 | 3.5 | 3.2 | 4.2 | 4.1 | 4.7 | 2.8 | 3.0 | 2.8 |
| 1 Year or More Below Grade Level | 12 | 32.4 | 19.0 | — | 41.7 | 11.5 | 18.5 | 8.5 | 5.0 | 2.3 | 46.8 | 40.7 | 48.6 |
| SPELLING | | | | | | | | | | | | | |
| Third Grade Median | 64 | 64.0 | 64.9 | — | 61.8 | 65.2 | 58.3 | 72.2 | 68.9 | 71.1 | 58.0 | 60.6 | 60.2 |
| Median Percentile | 50 | 50.0 | 54.0 | 48.0 | 44.0 | 54.0 | 32.0 | 76.0 | 66.0 | 72.0 | 32.0 | 40.0 | 38.0 |
| Grade Equivalent | 3.6 | 3.6 | 3.7 | 3.5 | 3.4 | 3.7 | 2.9 | 4.7 | 4.3 | 4.6 | 2.9 | 3.3 | 3.1 |
| 1 Year or More Below Grade Level | 22 | 17.7 | 13.8 | — | 16.7 | 9.8 | 35.2 | 0.9 | 7.8 | 4.7 | 35.4 | 23.7 | 35.7 |
| LANGUAGE | | | | | | | | | | | | | |
| Third Grade Median | 70 | 60.1 | 66.1 | — | 59.0 | 64.3 | 63.5 | 68.9 | 77.3 | 75.0 | 52.4 | 56.9 | 55.3 |
| Median Percentile | 50 | 26.0 | 40.0 | 38.0 | 23.0 | 34.0 | 34.0 | 48.0 | 70.0 | 64.0 | 10.0 | 20.0 | 14.0 |
| Grade Equivalent | 4.0 | 3.0 | 3.5 | 3.4 | 2.9 | 3.3 | 3.3 | 3.9 | 5.0 | 4.7 | 2.3 | 2.7 | 2.5 |
| 1 Year or More Below Grade Level | 14 | 56.7 | 38.8 | — | 62.5 | 39.3 | 40.7 | 21.4 | 12.8 | 11.6 | 86.1 | 64.4 | 74.5 |
| BEST MATCHED SITE | | | | | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

Table C11-IIIK(PS)-22

## STANDARDIZED SCORES FOR MAT READING MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN WITH HEADSTART FOR THE IELP MODEL

| | MAT NORM POPU-LATION | SPONSOR'S SITES | | LOCK HAVEN, PA | | MONTEVIDEO, MN | | AKRON, OH | |
|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| **TOTAL READING** | | | | | | | | | |
| Third Grade Median | 61 | 60.4 | 62.0 | 56.8 | 63.0 | 71.2 | 69.0 | 53.1 | 53.9 |
| Median Percentile | 50 | 46 | 53 | 36 | 58 | 78 | 74 | 24 | 28 |
| Grade Equivalent | 3.5 | 3.5 | 3.6 | 3.1 | 3.7 | 4.6 | 4.4 | 2.7 | 2.8 |
| % 1 Year or More Below Grade Level | 20 | 22 | 17 | 20 | 7 | 1 | 8 | 45 | 37 |
| **TOTAL MATHEMATICS** | | | | | | | | | |
| Third Grade Median | 70.5 | 63.7 | 66.9 | 58.5 | 67.5 | 74.0 | 73.2 | 58.5 | 60.0 |
| Median Percentile | 50 | 30 | 39 | 14 | 40 | 62 | 60 | 14 | 18 |
| Grade Equivalent | 3.75 | 3.2 | 3.5 | 2.8 | 3.6 | 4.1 | 4.0 | 2.8 | 3.0 |
| % 1 Year or More Below Grade Level | 12 | 33 | 19 | 43 | 11 | 8 | 5 | 47 | 41 |
| **SPELLING** | | | | | | | | | |
| Third Grade Median | 64 | 64.2 | 65.2 | 61.9 | 65.4 | 72.2 | 68.9 | 58.4 | 61.3 |
| Median Percentile | 50 | 51 | 53 | 44 | 54 | 76 | 66 | 32 | 40 |
| Grade Equivalent | 3.6 | 3.7 | 3.8 | 3.4 | 3.7 | 4.7 | 4.3 | 3.0 | 3.3 |
| % 1 Year or More Below Grade Level | 22 | 17 | 15 | 16 | 10 | 1 | 8 | 34 | 27 |
| **LANGUAGE** | | | | | | | | | |
| Third Grade Median | 70 | 59.9 | 66.1 | 58.0 | 64.2 | 68.5 | 77.3 | 53.2 | 56.9 |
| Median Percentile | 50 | 26 | 41 | 22 | 34 | 44 | 70 | 11 | 20 |
| Grade Equivalent | 4.0 | 3.0 | 3.7 | 2.8 | 3.3 | 3.7 | 5.0 | 2.4 | 2.7 |
| % 1 Year or More Below Grade Level | 14 | 57 | 40 | 64 | 39 | 22 | 13 | 86 | 68 |

## Table C11-IIIK-23

## MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES USED IN THE ANALYTIC SAMPLE OF THE COHORT III KINDERGARTEN CHILDREN FOR THE IELP MODEL

| | SPONSOR'S SITES | | | LOCK HAVEN, PA | | | MONTEVIDEO, MN | | | AKRON, OH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | | | | | | | |
| Mean | 31.8 | 30.7 | — | 29.7 | 31.9 | 25.2 | 39.5 | 36.9 | 41.6 | 26.3 | 23.4 | 26.9 |
| Standard Deviation | — | — | — | 11.0 | 12.0 | 10.5 | 11.5 | 11.9 | 11.9 | 9.0 | 8.9 | 11.4 |
| HIGHEST OCCUPATION IN HOUSE | | | | | | | | | | | | |
| Mean | 14.3 | 15.1 | — | 13.4 | 15.3 | 14.7 | 16.2 | 16.5 | 16.0 | 13.2 | 13.5 | 13.6 |
| Standard Deviation | — | — | — | 1.1 | 2.2 | 2.0 | 2.1 | 2.4 | 1.9 | 1.7 | 1.6 | 1.9 |
| FAMILY INCOME IN DOLLARS | | | | | | | | | | | | |
| Mean | 5538 | 7150 | — | 4931 | 7580 | 5592 | 7692 | 7534 | 7140 | 3991 | 6336 | 5407 |
| Standard Deviation | — | — | — | 2289 | 2137 | 2941 | 2423 | 2346 | 2442 | 2187 | 3381 | 2789 |
| MISSING INCOME INFORMATION | | | | | | | | | | | | |
| No. Missing | — | — | — | 12 | 4 | 1 | 21 | 17 | 3 | 26 | 31 | 405 |
| Valid Cases | — | — | — | 36 | 57 | 53 | 96 | 124 | 40 | 53 | 28 | 54 |
| ETHNIC MEMBERSHIP/RACE | | | | | | | | | | | | |
| Percent White | 67 | 72 | — | 100 | 100 | 78 | 98 | 98 | 100 | 3 | 19 | 1 |
| Percent Black | 32 | 27 | — | 0 | 0 | 22 | 0 | 1 | 0 | 97 | 81 | 95 |
| SEX Percent Female | 52 | 57 | — | 52 | 69 | 56 | 55 | 52 | 40 | 51 | 51 | 54 |
| ENTRY AGE IN MONTHS | | | | | | | | | | | | |
| Mean | 65.4 | 65.6 | — | 63.1 | 62.7 | 63.4 | 68.1 | 67.8 | 65.4 | 65.0 | 66.5 | 61.9 |
| Standard Deviation | — | — | — | 3.4 | 3.6 | 3.6 | 4.1 | 4.2 | 4.4 | 3.4 | 4.5 | 3.5 |
| FIRST LANGUAGE | | | | | | | | | | | | |
| Percent English | 100 | 100 | — | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 97 |
| BEST MATCHED SITE | | | | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

Table C11-IIIK-24

### MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES FOR THE COHORT III KINDERGARTEN CHILDREN IN THE IELP MODEL

| | ALL SITES | | SPONSOR'S SITES | | | LOCK HAVEN, PA | | | MONTEVIDEO, MN | | | AKRON, OH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | | |
| Mean | 41.25 | 46.14 | 50.08 | 53.19 | — | 45.54 | 56.61 | 46.72 | 68.56 | 63.74 | 67.23 | 36.14 | 39.22 | 35.92 |
| Standard Deviation | | | — | — | — | 14.95 | 16.49 | 18.35 | 13.20 | 16.49 | 12.68 | 13.58 | 16.45 | 15.05 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | |
| Mean | 47.77 | 50.84 | 52.05 | 55.96 | — | 46.02 | 58.70 | 53.43 | 68.27 | 67.93 | 77.05 | 41.86 | 41.24 | 40.88 |
| Standard Deviation | | | — | — | — | 21.18 | 18.33 | 18.16 | 21.88 | 19.41 | 17.23 | 15.00 | 15.84 | 17.27 |
| LANGUAGE | | | | | | | | | | | | | | |
| Mean | 16.60 | 18.44 | 18.20 | 23.02 | — | 16.98 | 22.07 | 21.50 | 25.69 | 31.17 | 29.49 | 11.92 | 15.81 | 14.63 |
| Standard Deviation | | | — | — | — | 6.85 | 9.10 | 8.26 | 9.67 | 9.59 | 10.24 | 5.44 | 5.96 | 7.17 |
| SPELLING | | | | | | | | | | | | | | |
| Mean | 17.64 | 20.63 | 22.14 | 23.64 | — | 20.31 | 24.70 | 18.19 | 30.93 | 27.71 | 29.95 | 15.16 | 18.51 | 17.91 |
| Standard Deviation | | | — | — | — | 10.10 | 9.87 | 12.23 | 7.24 | 8.97 | 7.76 | 11.35 | 11.11 | 12.66 |
| RAVEN'S PROGRESSIVE MAT. | | | | | | | | | | | | | | |
| Mean | 18.15 | 18.95 | 20.69 | 20.06 | — | 19.98 | 21.13 | 19.80 | 23.56 | 22.70 | 22.42 | 18.52 | 16.34 | 16.97 |
| Standard Deviation | | | — | — | — | 4.03 | 3.06 | 4.20 | 3.11 | 3.09 | 4.05 | 4.52 | 5.13 | 4.52 |
| COOPERSMITH'S SELF-EST. | | | | | | | | | | | | | | |
| Mean | 35.64 | 36.59 | 36.22 | 37.03 | — | 34.96 | 36.93 | 34.96 | 39.32 | 38.72 | 39.95 | 34.38 | 35.42 | 35.73 |
| Standard Deviation | | | — | — | — | 6.64 | 6.45 | 7.75 | 7.81 | 6.95 | 6.74 | 8.41 | 6.56 | 7.25 |
| IARS-LOCUS NEGATIVE | | | | | | | | | | | | | | |
| Mean | 9.91 | 10.11 | 9.83 | 9.98 | — | 9.54 | 10.59 | 10.13 | 10.74 | 9.74 | 11.09 | 9.23 | 9.61 | 9.79 |
| Standard Deviation | | | — | — | — | 2.38 | 2.53 | 2.30 | 2.36 | 2.87 | 2.47 | 3.01 | 2.79 | 2.76 |
| IARS-LOCUS POSITIVE | | | | | | | | | | | | | | |
| Mean | 12.83 | 13.07 | 13.21 | 13.56 | — | 12.79 | 13.79 | 13.37 | 13.78 | 13.61 | 14.02 | 13.05 | 13.27 | 12.78 |
| Standard Deviation | | | — | — | — | 2.23 | 1.88 | 1.90 | 1.93 | 1.85 | 1.93 | 2.89 | 2.20 | 2.43 |
| WORD KNOWLEDGE | | | | | | | | | | | | | | |
| Mean | 23.30 | 26.29 | 28.92 | 30.44 | — | 26.69 | 32.77 | 26.41 | 38.94 | 36.86 | 38.51 | 21.14 | 21.68 | 20.68 |
| Standard Deviation | | | — | — | — | 9.20 | 8.73 | 10.75 | 6.89 | 8.96 | 5.80 | 8.54 | 11.09 | 9.79 |
| READING | | | | | | | | | | | | | | |
| Mean | 17.95 | 19.85 | 21.16 | 22.75 | — | 18.85 | 23.84 | 20.31 | 29.62 | 26.89 | 28.72 | 15.00 | 17.54 | 15.24 |
| Standard Deviation | | | — | — | — | 6.77 | 8.45 | 8.64 | 7.14 | 8.30 | 7.82 | 6.13 | 6.75 | 6.24 |
| MATH COMPUTATIONS | | | | | | | | | | | | | | |
| Mean | 18.16 | 18.55 | 17.65 | 19.77 | — | 15.40 | 20.25 | 19.17 | 21.88 | 23.26 | 26.81 | 15.67 | 15.80 | 14.86 |
| Standard Deviation | | | — | — | — | 7.48 | 6.39 | 6.77 | 8.17 | 6.97 | 5.80 | 5.89 | 6.10 | 6.25 |
| MATH CONCEPTS | | | | | | | | | | | | | | |
| Mean | 16.41 | 18.04 | 19.29 | 20.70 | — | 17.38 | 22.59 | 19.06 | 25.72 | 24.74 | 27.98 | 14.77 | 14.76 | 14.83 |
| Standard Deviation | | | — | — | — | 8.79 | 6.75 | 6.64 | 6.81 | 7.26 | 5.78 | 6.09 | 6.49 | 7.11 |
| MATH PROBLEM SOLVING | | | | | | | | | | | | | | |
| Mean | 13.20 | 14.25 | 15.11 | 15.49 | — | 13.25 | 15.87 | 15.20 | 20.68 | 19.92 | 22.26 | 11.42 | 10.68 | 11.19 |
| Standard Deviation | | | — | — | — | 6.83 | 7.29 | 6.58 | 8.11 | 6.94 | 7.38 | 5.36 | 4.97 | 5.57 |
| LANGUAGE PART A | | | | | | | | | | | | | | |
| Mean | 7.59 | 8.13 | 8.64 | 9.38 | — | 8.29 | 9.46 | 8.65 | 10.85 | 10.59 | 11.14 | 6.78 | 8.10 | 6.94 |
| Standard Deviation | | | — | — | — | 3.27 | 2.83 | 2.59 | 2.59 | 2.85 | 2.64 | 3.35 | 3.25 | 3.22 |
| LANGUAGE PART B | | | | | | | | | | | | | | |
| Mean | 9.01 | 10.31 | 9.55 | 13.63 | — | 8.69 | 12.61 | 12.85 | 14.84 | 20.58 | 18.35 | 5.14 | 7.71 | 7.69 |
| Standard Deviation | | | — | — | — | 5.11 | 7.42 | 6.78 | 7.98 | 7.58 | 8.74 | 3.75 | 4.07 | 5.07 |
| BEST MATCH SITE | | | | | | Okaloosa Co., FL | | | W. Iron Co., MI | | | Philadelphia, PA | | |

Table C11-IIIK-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K LOCAL ANALYSES FOR THE IELP MODEL

CODE

FKW = Fall Kindergarten WRAT
NOINC = Missing Income
SEX = Sex
INCOME = Income
ENTAGE = Entry Age
ETH2 = White vs. Other
OCCUP = Occupation
NOOCCUP = Missing Occupation
ETH1 = White vs. Black

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .69365049 | .61382623E-01 |
| NOINC | -4.8784468 | 3.3411288 |
| SEX | .65993635 | 1.3347780 |
| INCOME | .63691490E-04 | .26360301E-03 |
| ENTAGE | -.30778764 | .16853411 |
| ETH2 | -3.6778230 | 5.1370848 |
| OCCUP | .38711966E-01 | .30887857 |
| NOOCCUP | 3.7663212 | 3.5541455 |
| ETH1 | 2.5125515 | 3.7680258 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .80589917 | .79249338E-01 |
| NOINC | .54898811 | 4.3136352 |
| SEX | -.45201237 | 1.7232935 |
| INCOME | .23573696E-04 | .34033026E-03 |
| ENTAGE | -.56225697E-01 | .21758954 |
| ETH2 | 2.8270933 | 6.6323423 |
| OCCUP | -.14860795 | .39878423 |
| NOOCCUP | 1.3253957 | 4.5886549 |
| ETH1 | 2.7165885 | 4.8647896 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .34129429 | .40175982E-01 |
| NOINC | -1.1152778 | 2.1868262 |
| SEX | 2.6701804 | .87363515 |
| INCOME | .20215445E-03 | .17253270E-03 |
| ENTAGE | -.19830702E-01 | .11030847 |
| ETH2 | -3.8247234 | 3.3623103 |
| OCCUP | -.15444438 | .20216633 |
| NOOCCUP | .85251197 | 2.3262493 |
| ETH1 | 2.4580999 | 2.4662376 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .33985606 | .34602030E-01 |
| NOINC | .44364521 | 1.8834294 |
| SEX | 2.0945107 | .75242840 |
| INCOME | .80698854E-05 | .14859579E-03 |
| ENTAGE | -.11657691 | .95004448E-01 |
| ETH2 | -1.5092536 | 2.8958287 |
| OCCUP | .35390197E-01 | .17411810 |
| NOOCCUP | -.64717298 | 2.0035092 |
| ETH1 | 2.0187014 | 2.1240757 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .98507553E-01 | .16401222E-01 |
| NOINC | -1.1269762 | .89273791 |
| SEX | -.73289105 | .35664801 |
| INCOME | -.46467581E-05 | .70433800E-04 |
| ENTAGE | -.19658486E-01 | .45031723E-01 |
| ETH2 | -2.2327157 | 1.3726111 |
| OCCUP | -.37167730E-01 | .82531272E-01 |
| NOOCCUP | 1.0074496 | .94965522 |
| ETH1 | 3.2179537 | 1.0068033 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .72893563E-01 | .33668316E-01 |
| NOINC | 1.4344591 | 1.8326063 |
| SEX | 1.5707871 | .73212459 |
| INCOME | .17430375E-03 | .14458602E-03 |
| ENTAGE | -.44163000E-01 | .92440813E-01 |
| ETH2 | -1.5522855 | 2.8176866 |
| OCCUP | .51702710E-01 | .16941963 |
| NOOCCUP | -1.0513092 | 1.9494457 |
| ETH1 | 1.3743990 | 2.0667589 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .22672938E-01 | .99877572E-02 |
| NOINC | .12930429 | .54364545 |
| SEX | .31205169 | .21718588 |
| INCOME | -.32462092E-04 | .42891664E-04 |
| ENTAGE | -.15719924E-02 | .27422708E-01 |
| ETH2 | .31701600 | .83587102 |
| OCCUP | -.11850811E-01 | .50258591E-01 |
| NOOCCUP | .46149511E-01 | .57830605 |
| ETH1 | -.31016268 | .61310717 |

## Table C11-IIIK-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .33697093E-01 | .12426701E-01 |
| NOINC | .96235074 | .67640003 |
| SEX | -.12133724E-01 | .27022122 |
| INCOME | -.51374145E-04 | .53365522E-04 |
| ENTAGE | -.68908640E-01 | .34119150E-01 |
| ETH2 | -.81345789 | 1.0399851 |
| OCCUP | .27006082E-02 | .62531404E-01 |
| NOOCCUP | -1.1129883 | .71952452 |
| ETH1 | .63755922 | .76282385 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .37598977 | .36080258E-01 |
| NOINC | -1.5884156 | 1.9638911 |
| SEX | .17342684 | .78457277 |
| INCOME | .52457032E-04 | .15494392E-03 |
| ENTAGE | -.11998293 | .99063118E-01 |
| ETH2 | -2.8136604 | 3.0195409 |
| OCCUP | -.23636608E-01 | .18155657 |
| NOOCCUP | 1.0131325 | 2.0891008 |
| ETH1 | 2.3958832 | 2.2148180 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .31766072 | .30558565E-01 |
| NOINC | -3.2900311 | 1.6633388 |
| SEX | .48650951 | .66450240 |
| INCOME | .11234458E-04 | .13123143E-03 |
| ENTAGE | -.18780471 | .83902580E-01 |
| ETH2 | -.86416263 | 2.5574329 |
| OCCUP | .62348574E-01 | .15377130 |
| NOOCCUP | 2.7531886 | 1.7693865 |
| ETH1 | .11666832 | 1.8758641 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .29880489 | .29053019E-01 |
| NOINC | -.32330793 | 1.5813902 |
| SEX | -.52145399 | .63176399 |
| INCOME | -.58329210E-04 | .12476598E-03 |
| ENTAGE | -.10183850 | .79768905E-01 |
| ETH2 | .12239535 | 2.4314344 |
| OCCUP | -.26123492E-01 | .14619536 |
| NOOCCUP | 1.0568734 | 1.6822131 |
| ETH1 | 1.7061170 | 1.7834448 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .24809410 | .30081682E-01 |
| NOINC | .98815740 | 1.6373924 |
| SEX | .30875773 | .65413684 |
| INCOME | .55136949E-05 | .12918436E-03 |
| ENTAGE | .71437943E-01 | .82593785E-01 |
| ETH2 | .61085620 | 2.5175395 |
| OCCUP | -.68955566E-01 | .15137262 |
| NOOCCUP | .25197454 | 1.7417859 |
| ETH1 | 1.2288128 | 1.8466025 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .25900018 | .29277660E-01 |
| NOINC | -.11586136 | 1.5936177 |
| SEX | -.23931611 | .63664885 |
| INCOME | .76389211E-04 | .12573068E-03 |
| ENTAGE | -.25825142E-01 | .80385686E-01 |
| ETH2 | 2.0938417 | 2.4502345 |
| OCCUP | -.50527890E-01 | .14732576 |
| NOOCCUP | .16547755E-01 | 1.6952202 |
| ETH1 | -.21834126 | 1.7972346 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .95453479E-01 | .12798606E-01 |
| NOINC | .42863325E-01 | .69664326 |
| SEX | .84114772 | .27830837 |
| INCOME | .44245635E-05 | .54962639E-04 |
| ENTAGE | -.40895815E-01 | .35140265E-01 |
| ETH2 | -.73659901 | 1.0711097 |
| OCCUP | -.89531597E-02 | .64402837E-01 |
| NOOCCUP | .49608059E-01 | .74105838 |
| ETH1 | .57836108 | .78565356 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .24440258 | .28137543E-01 |
| NOINC | .40078189 | 1.5315598 |
| SEX | 1.2532630 | .61185678 |
| INCOME | .36453219E-05 | .12083454E-03 |
| ENTAGE | -.75681099E-01 | .77255345E-01 |
| ETH2 | -.77265458 | 2.3548186 |
| OCCUP | .44343357E-01 | .14158867 |
| NOOCCUP | -.69678104 | 1.6292057 |
| ETH1 | 1.4403403 | 1.7272476 |

## Table C11-IIIK(PS)-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K PRESCHOOL ADJUSTED LOCAL ANALYSES FOR THE IELP MODEL

### CODE

SEX = Sex
ENTAGE = Entry Age
INCOME = Income
NOINC = Missing Income
OCCUP = Occupation
NOOCCUP = Missing Occupation
ETH2 = White vs. Other
ETH1 = White vs. Black
PSSOME = Some Preschool
PSHS = Head Start
FKW = Fall Kindergarten WRAT
FKWHS = FKW x Head Start
FKWSOME = FKW x Some Preschool

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .62278326E-01 | 1.3247638 |
| ENTAGE | -.43819405 | .16878590 |
| INCOME | .25195014E-04 | .26631186E-03 |
| NOINC | -5.6804419 | 3.2007495 |
| OCCUP | .76583023E-01 | .31541653 |
| NOOCCUP | 3.3426491 | 3.4768507 |
| ETH2 | -3.6720061 | 5.0010874 |
| ETH1 | 1.5706917 | 3.9046394 |
| PSSOME | -13.188219 | 5.5525333 |
| PSHS | -5.7334425 | 4.4603750 |
| FKW | .66062001 | .79882907E-01 |
| FKWHS | .10645145 | .12690320 |
| FKWSOME | .26399774 | .14249170 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.66975348 | 1.7315465 |
| ENTAGE | -.13932674 | .22061338 |
| INCOME | -.32038527E-04 | .34808572E-03 |
| NOINC | .19228109 | 4.1835732 |
| OCCUP | -.16188215 | .41226849 |
| NOOCCUP | 3.2890486 | 4.5444542 |
| ETH2 | 3.9455796 | 6.5367237 |
| ETH1 | .78266554 | 5.1035999 |
| PSSOME | -7.1553224 | 7.2574969 |
| PSHS | -6.8592584 | 5.8299810 |
| FKW | .80728724 | .10441179 |
| FKWHS | .15989840 | .16587016 |
| FKWSOME | .11134429 | .18624527 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 2.2204691 | .87170625 |
| ENTAGE | -.83188318E-01 | .11106260 |
| INCOME | .21474968E-03 | .17523555E-03 |
| NOINC | -1.6036069 | 2.1061213 |
| OCCUP | -.96080782E-01 | .20754685 |
| NOOCCUP | .72080558 | 2.2877983 |
| ETH2 | -3.3132348 | 3.2907594 |
| ETH1 | 1.7425693 | 2.5692870 |
| PSSOME | -6.2944637 | 3.6536157 |
| PSHS | -2.8431163 | 2.9349660 |
| FKW | .34282178 | .52563655E-01 |
| FKWHS | .63776067E-01 | .83503450E-01 |
| FKWSOME | .81175894E-01 | .93760792E-01 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 1.6951936 | .74156065 |
| ENTAGE | -.17598922 | .94480975E-01 |
| INCOME | -.27673482E-04 | .14907291E-03 |
| NOINC | .29261453 | 1.7916777 |
| OCCUP | .35310162E-01 | .17656014 |
| NOOCCUP | -.96717458 | 1.9462304 |
| ETH2 | -2.1111225 | 2.7994496 |
| ETH1 | 1.8330432 | 2.1856929 |
| PSSOME | -5.3084642 | 3.1081314 |
| PSHS | -1.0058830 | 2.4967760 |
| FKW | .35199767 | .44715910E-01 |
| FKWHS | -.14163212E-01 | .71036373E-01 |
| FKWSOME | .11796935 | .79762321E-01 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.86891805 | .34914556 |
| ENTAGE | -.25959115E-01 | .44484039E-01 |
| INCOME | .98384110E-05 | .70187304E-04 |
| NOINC | -1.2621038 | .84356730 |
| OCCUP | -.74392164E-02 | .83128990E-01 |
| NOOCCUP | .98151369 | .91633461 |
| ETH2 | -1.9048792 | 1.3180518 |
| ETH1 | 3.0023404 | 1.0290796 |
| PSSOME | -.66119700 | 1.4633871 |
| PSHS | -.95128184 | 1.1755455 |
| FKW | .10147324 | .21053384E-01 |
| FKWHS | .32643475E-01 | .33445725E-01 |
| FKWSOME | -.51460496E-02 | .37554123E-01 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 1.5107674 | .73999924 |
| ENTAGE | -.10586667 | .94282039E-01 |
| INCOME | .14406408E-03 | .14875902E-03 |
| NOINC | 1.0920573 | 1.7879052 |
| OCCUP | .51953562E-01 | .17618838 |
| NOOCCUP | -1.2513963 | 1.9421325 |
| ETH2 | -1.8272546 | 2.7935551 |
| ETH1 | .98979098 | 2.1810908 |
| PSSOME | -3.5769083 | 3.1015871 |
| PSHS | -1.0072919 | 2.4915189 |
| FKW | .60233411E-01 | .44621757E-01 |
| FKWHS | -.25740287E-02 | .70886801E-01 |
| FKWSOME | .78842348E-01 | .79594375E-01 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .30224086 | .22069406 |
| ENTAGE | -.64367450E-02 | .28118254E-01 |
| INCOME | -.48233888E-04 | .44365276E-04 |
| NOINC | .10336550 | .53321686 |
| OCCUP | -.23429956E-01 | .52545634E-01 |
| NOOCCUP | .11649067 | .57921290 |
| ETH2 | .11500086 | .83313739 |
| ETH1 | -.27659792E-01 | .65047875 |
| PSSOME | -.69380613 | .92500346 |
| PSHS | -.87797067 | .74305945 |
| FKW | .15871870E-01 | .13307793E-01 |
| FKWHS | .18631816E-01 | .21140962E-01 |
| FKWSOME | .18631839E-01 | .23737871E-01 |

1226

## IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.13846129 | .27401852 |
| ENTAGE | -.67690967E-01 | .34912231E-01 |
| INCOME | -.52705204E-04 | .55084823E-04 |
| NOINC | .95219217 | .66205357 |
| OCCUP | .15425418E-01 | .65241795E-01 |
| NOOCCUP | -1.1664584 | .71916326 |
| ETH2 | -.77751767 | 1.0344414 |
| ETH1 | .91594575 | .80764848 |
| PSSOME | -.82110919 | 1.1485043 |
| PSHS | -.23516838 | .92259867 |
| FKW | .34502674E-01 | .16523244E-01 |
| FKWHS | .42034928E-02 | .26249076E-01 |
| FKWSOME | .75153729E-02 | .29473453E-01 |

## MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.22542840 | .77337212 |
| ENTAGE | -.18664830 | .98534020E-01 |
| INCOME | .42604256E-04 | .15546784E-03 |
| NOINC | -2.1953939 | 1.8685371 |
| OCCUP | .14784074E-01 | .18413422 |
| NOOCCUP | .65640028 | 2.0297198 |
| ETH2 | -2.6631258 | 2.9195404 |
| ETH1 | 1.6689432 | 2.2794547 |
| PSSOME | -8.7685891 | 3.2414641 |
| PSHS | -4.3225080 | 2.6038827 |
| FKW | .34818664 | .46634133E-01 |
| FKWHS | .85208348E-01 | .74083691E-01 |
| FKWSOME | .16100949 | .83183965E-01 |

## MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .28770672 | .66801697 |
| ENTAGE | -.25154575 | .85110900E-01 |
| INCOME | -.17409242E-04 | .13428872E-03 |
| NOINC | -3.4850480 | 1.6139895 |
| OCCUP | .61798950E-01 | .15904993 |
| NOOCCUP | 2.6862488 | 1.7532146 |
| ETH2 | -1.0088803 | 2.5218164 |
| ETH1 | -.98251471E-01 | 1.9689286 |
| PSSOME | -4.4196297 | 2.7998850 |
| PSHS | -1.4109345 | 2.2491603 |
| FKW | .31243337 | .40281245E-01 |
| FKWHS | .21243107E-01 | .63991398E-01 |
| FKWSOME | .10298825 | .71851957E-01 |

## MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.64000126 | .63618531 |
| ENTAGE | -.13228044 | .81055284E-01 |
| INCOME | -.92066229E-04 | .12788973E-03 |
| NOINC | -.55016998 | 1.5370814 |
| OCCUP | -.46802752E-01 | .15147105 |
| NOOCCUP | 1.8135925 | 1.6696792 |
| ETH2 | .26392382 | 2.4016494 |
| ETH1 | 1.2376228 | 1.6751072 |
| PSSOME | -2.6799510 | 2.6664678 |
| PSHS | -3.8659389 | 2.1419856 |
| FKW | .29091931 | .38361805E-01 |
| FKWHS | .82801605E-01 | .60942146E-01 |
| FKWSOME | .42783951E-01 | .68428142E-01 |

## MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .24931759 | .65535553 |
| ENTAGE | .55341144E-01 | .83497729E-01 |
| INCOME | -.77096941E-05 | .13174344E-03 |
| NOINC | .93868095 | 1.5833983 |
| OCCUP | -.58946562E-01 | .15603533 |
| NOOCCUP | .97064962 | 1.7199845 |
| ETH2 | 1.4211247 | 2.4740185 |
| ETH1 | .23670381 | 1.9316100 |
| PSSOME | -1.4605534 | 2.7468167 |
| PSHS | -1.4781968 | 2.2065302 |
| FKW | .25170126 | .39517764E-01 |
| FKWHS | .47526134E-01 | .62778520E-01 |
| FKWSOME | .10728950E-01 | .70490092E-01 |

## MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.27906982 | .64801880 |
| ENTAGE | -.62387445E-01 | .82562968E-01 |
| INCOME | .67737596E-04 | .13026857E-03 |
| NOINC | -.19622988 | 1.5656721 |
| OCCUP | -.56132834E-01 | .15428851 |
| NOOCCUP | .50480048 | 1.7007292 |
| ETH2 | 2.2605311 | 2.4463217 |
| ETH1 | -.69166104 | 1.9099855 |
| PSSOME | -3.0748180 | 2.7160659 |
| PSHS | -1.5251228 | 2.1818280 |
| FKW | .26466666 | .39075361E-01 |
| FKWHS | .29570664E-01 | .62075711E-01 |
| FKWSOME | .57831391E-01 | .67700952E-01 |

## MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .71536516 | .27694807 |
| ENTAGE | -.55789513E-01 | .35285480E-01 |
| INCOME | -.14100763E-04 | .55673738E-04 |
| NOINC | -.34398517E-01 | .66913162 |
| OCCUP | -.23324147E-01 | .65939299E-01 |
| NOOCCUP | .22917546 | .72685187 |
| ETH2 | -1.0236336 | 1.0455007 |
| ETH1 | .77736973 | .81628309 |
| PSSOME | -.29353912 | 1.1607830 |
| PSHS | -1.4751602 | .93246223 |
| FKW | .97557558E-01 | .16699895E-01 |
| FKWHS | .23662822E-01 | .26529706E-01 |
| FKWSOME | .10983473E-02 | .29788555E-01 |

## MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .97982845 | .60639615 |
| ENTAGE | -.12019970 | .77259897E-01 |
| INCOME | -.15572719E-04 | .12190134E-03 |
| NOINC | .32701304 | 1.4651080 |
| OCCUP | .58634309E-01 | .14437847 |
| NOOCCUP | -1.1963500 | 1.5914903 |
| ETH2 | -1.0874089 | 2.2891930 |
| ETH1 | 1.0556735 | 1.7873059 |
| PSSOME | -5.0149450 | 2.5416113 |
| PSHS | .46927726 | 2.0416878 |
| FKW | .25444011 | .36565526E-01 |
| FKWHS | -.37826033E-01 | .56088550E-01 |
| FKWSOME | .11687100 | .65224017E-01 |

Table C11-IIIK(PS)-26

## TREATMENT REGRESSION COEFFICIENTS AND STANDARD ERRORS BY OUTCOME FOR HEAD START STUDIES OF COHORT III-K SITES IN THE IELP MODEL

| | Lock Haven, PA | | Montevideo, MN | | Akron, OH | |
|---|---|---|---|---|---|---|
| | Pooled | Local | Pooled | Local | Pooled | Local |
| **Word Knowledge** | | | | | | |
| b | -1.69 | -4.32* | 1.12 | .11 | -2.03* | -1.53 |
| Standard Error | 1.06 | 1.76 | .57 | 1.04 | .96 | 1.69 |
| **Spelling** | | | | | | |
| b | -1.72 | -2.60 | 2.37** | 2.35* | -4.99** | -4.88* |
| Standard Error | 1.27 | 1.98 | .62 | 1.18 | 1.18 | 1.91 |
| **Language** | | | | | | |
| b | -2.89** | -3.47* | -6.46** | -6.64** | -4.16** | -4.72** |
| Standard Error | .78 | 1.69 | .72 | 1.00 | .62 | 1.62 |
| **Math Computations** | | | | | | |
| b | -4.12** | -4.91** | -2.12** | -2.07* | - .53 | - .98 |
| Standard Error | .99 | 1.49 | .69 | .88 | .70 | 1.44 |
| **Raven's** | | | | | | |
| b | 1.16 | -1.31 | .66* | .71 | 1.85** | 1.91* |
| Standard Error | .61 | .79 | .26 | .47 | .57 | .76 |
| **Reading** | | | | | | |
| b | -2.19* | -3.80* | 1.97** | 2.04* | -3.16** | -3.74* |
| Standard Error | .93 | 1.52 | .56 | .90 | .70 | 1.46 |
| **Math Concepts** | | | | | | |
| b | -2.61* | -4.86** | .30 | .22 | - .75 | - .92 |
| Standard Error | 1.08 | 1.45 | .54 | .86 | .71 | 1.39 |
| **Math Problem Solving** | | | | | | |
| b | -2.66** | -2.11 | .34 | .09 | - .06 | - .77 |
| Standard Error | .88 | 1.47 | .65 | .87 | .67 | 1.42 |
| **Coopersmith** | | | | | | |
| b | - .22 | - .59 | - .15 | .07 | -2.20* | .40 |
| Standard Error | 1.07 | 1.68 | .76 | 1.00 | .95 | 1.62 |
| **IARS(-)** | | | | | | |
| b | - .69 | - .99 | .90** | .95** | - .65 | - .33 |
| Standard Error | .36 | .62 | .23 | .37 | .35 | .60 |
| **IARS(+)** | | | | | | |
| b | - .81* | - .96 | - .00 | .07 | - .65 | - .48 |
| Standard Error | .31 | .50 | .19 | .30 | .35 | .48 |
| **Total Reading** | | | | | | |
| b | -3.89* | -8.13** | 3.09** | 3.16 | -5.18** | -5.37 |
| Standard Error | 1.81 | 3.01 | 1.03 | 1.79 | 1.52 | 2.90 |
| **Total Math** | | | | | | |
| b | -9.39 | -11.87 | -1.50 | -1.77 | -1.34 | -2.67 |
| Standard Error | 2.61 | 3.94 | 1.74 | 2.34 | 1.81 | 3.79 |
| **Language Part A** | | | | | | |
| b | - .24 | - .56 | .02 | - .03 | -1.61** | -1.50* |
| Standard Error | .41 | .63 | .23 | .37 | .38 | .61 |
| **Language Part B** | | | | | | |
| b | -2.66** | -2.92* | -6.48** | -6.62** | -2.46** | -3.21* |
| Standard Error | .66 | 1.38 | .61 | .82 | .46 | 1.33 |

* p< .05

** p< .01

Table C11-IIIK(PS)-27

## BACKGROUND VARIABLES
## FOR FT AND NFT CHILDREN
## IN COHORT III-K PRESCHOOL SAMPLE
## FOR IELP MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 110 | 35 | 82 | 227 | 60 | 48 | 133 | 241 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 29.95 | 40.57 | 34.80 | 33.34 | 30.58 | 35.52 | 33.55 | 33.20 |
| STANDARD DEVIATION | 10.36 | 11.88 | 13.13 | 12.22 | 12.26 | 13.38 | 12.39 | 12.62 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.64 | 16.34 | 15.74 | 14.91 | 14.76 | 16.60 | 15.95 | 15.84 |
| STANDARD DEVIATION | 1.91 | 1.98 | 2.29 | 2.37 | 2.52 | 2.45 | 2.35 | 2.47 |
| NUMBER | 83 | 35 | 66 | 184 | 45 | 47 | 124 | 216 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4650.55 | 8176.66 | 6931.49 | 6126.31 | 6462.07 | 7632.93 | 7680.25 | 7406.47 |
| STANDARD DEVIATION | 2441.47 | 2334.65 | 2695.99 | 2880.48 | 2582.35 | 2812.77 | 2200.17 | 2466.38 |
| MEDIAN | 4333.67 | 9800.00 | 7249.75 | 5772.36 | 5766.33 | 9125.37 | 8042.64 | 7966.83 |
| NUMBER | 83 | 35 | 63 | 181 | 45 | 45 | 118 | 208 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 4.82 | 48.57 | 25.40 | 20.44 | 15.56 | 40.00 | 25.42 | 26.44 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 48.18 | 91.43 | 84.15 | 67.84 | 65.00 | 85.42 | 93.99 | 85.06 |
| PERCENT BLACK | 50.00 | 8.57 | 15.85 | 31.28 | 31.67 | 14.58 | 6.01 | 14.11 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 57.27 | 57.14 | 43.90 | 52.42 | 35.00 | 50.00 | 67.67 | 56.02 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 65.33 | 67.60 | 66.56 | 66.12 | 66.86 | 66.69 | 65.59 | 66.13 |
| STANDARD DEVIATION | 4.65 | 3.92 | 3.80 | 4.31 | 4.57 | 4.08 | 4.71 | 4.58 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.59 | 13.64 | 12.67 | 12.81 | 12.61 | 13.51 | 12.87 | 12.96 |
| STANDARD DEVIATION | 1.29 | 1.54 | 2.20 | 1.75 | 2.07 | 2.33 | 1.83 | 2.01 |
| NUMBER | 83 | 34 | 66 | 183 | 43 | 46 | 124 | 213 |
| PERCENT HS GRAD | 73.49 | 94.12 | 80.30 | 79.78 | 62.79 | 78.26 | 79.84 | 76.06 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 38.37 | 2.86 | 8.82 | 21.16 | 17.78 | 12.77 | 5.60 | 9.68 |
| NUMBER | 86 | 35 | 68 | 189 | 45 | 47 | 125 | 217 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 48.46 | 100.00 | 0.00 | 0.00 | 24.90 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 15.42 | 0.00 | 100.00 | 0.00 | 19.92 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 36.12 | 0.00 | 0.00 | 100.00 | 55.19 |

Table C11-IIIK(PS)-28

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR IELP MODEL IN LOCK HAVEN, PA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 30 | 4 | 10 | 44 | 0 | 10 | 51 | 61 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 30.87 | 32.00 | 25.40 | 29.73 | 0.00 | 36.50 | 31.02 | 31.92 |
| STANDARD DEVIATION | 10.32 | 14.63 | 11.66 | 11.00 | 0.00 | 15.57 | 11.14 | 12.00 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.43 | 13.75 | 13.33 | 13.45 | 0.00 | 16.10 | 15.19 | 15.34 |
| STANDARD DEVIATION | 1.34 | .50 | .82 | 1.17 | 0.00 | 2.47 | 2.19 | 2.24 |
| NUMBER | 23 | 4 | 6 | 33 | 0 | 10 | 48 | 58 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 5137.46 | 6250.00 | 3583.33 | 4994.09 | 0.00 | 7344.11 | 7624.81 | 7580.49 |
| STANDARD DEVIATION | 2402.96 | 1835.76 | 1765.69 | 2317.58 | 0.00 | 3034.52 | 1965.05 | 2137.05 |
| MEDIAN | 4499.50 | 6500.00 | 3000.00 | 4499.50 | 0.00 | 8700.00 | 7966.83 | 8000.00 |
| NUMBER | 24 | 4 | 6 | 34 | 0 | 9 | 48 | 57 |
| FAMILY INCOME OF 9999 | | | | | | | | |
| PERCENT | 4.17 | 0.00 | 0.00 | 2.94 | 0.00 | 33.33 | 18.75 | 21.05 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 100.00 | 100.00 | 100.00 |
| PERCENT BLACK | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 56.67 | 25.00 | 50.00 | 52.27 | 0.00 | 70.00 | 68.63 | 68.85 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 62.71 | 63.78 | 63.52 | 62.99 | 0.00 | 64.15 | 62.38 | 62.67 |
| STANDARD DEVIATION | 3.63 | 1.68 | 3.09 | 3.35 | 0.00 | 4.03 | 3.48 | 3.60 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.25 | 12.32 | 11.83 | 12.17 | 0.00 | 14.00 | 12.83 | 13.04 |
| STANDARD DEVIATION | 1.19 | 1.18 | 1.10 | 1.14 | 0.00 | 1.95 | 1.73 | 1.81 |
| NUMBER | 22 | 3 | 7 | 32 | 0 | 10 | 47 | 57 |
| PERCENT HS GRAD | 59.09 | 66.67 | 42.86 | 56.25 | 0.00 | 90.00 | 80.85 | 82.46 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 25.00 | 0.00 | 42.86 | 25.71 | 0.00 | 30.00 | 2.08 | 6.90 |
| NUMBER | 24 | 4 | 7 | 35 | 0 | 10 | 48 | 58 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 68.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 9.09 | 0.00 | 100.00 | 0.00 | 16.39 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 22.73 | 0.00 | 0.00 | 100.00 | 83.61 |

## Table C11-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR IELP MODEL IN MONTEVIDEO, MN

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 25 | 28 | 57 | 110 | 41 | 30 | 68 | 139 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 37.72 | 42.61 | 38.67 | 39.45 | 34.93 | 39.27 | 37.37 | 37.06 |
| STANDARD DEVIATION | 10.68 | 10.59 | 12.12 | 11.49 | 11.16 | 11.41 | 12.45 | 11.88 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.78 | 16.89 | 16.56 | 16.25 | 15.19 | 17.53 | 16.90 | 16.56 |
| STANDARD DEVIATION | 2.28 | 1.71 | 1.95 | 2.11 | 2.54 | 1.89 | 2.16 | 2.38 |
| NUMBER | 23 | 28 | 50 | 101 | 37 | 30 | 63 | 130 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 5794.85 | 8785.14 | 7848.60 | 7692.26 | 6564.73 | 8262.87 | 7862.18 | 7569.62 |
| STANDARD DEVIATION | 2581.96 | 1761.26 | 2287.72 | 2435.91 | 2400.40 | 2268.53 | 2108.40 | 2321.92 |
| MEDIAN | 5850.00 | 9924.37 | 8675.12 | 8274.62 | 6725.37 | 9250.00 | 8099.50 | 8000.00 |
| NUMBER | 20 | 28 | 47 | 95 | 37 | 30 | 56 | 123 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 15.00 | 57.14 | 34.04 | 36.84 | 13.51 | 46.67 | 32.14 | 30.08 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 92.00 | 100.00 | 100.00 | 98.18 | 95.12 | 100.00 | 98.53 | 97.84 |
| PERCENT BLACK | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.47 | .72 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 68.00 | 60.71 | 42.11 | 52.73 | 34.15 | 43.33 | 66.18 | 51.80 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 69.55 | 68.35 | 67.37 | 68.12 | 67.42 | 67.83 | 67.98 | 67.78 |
| STANDARD DEVIATION | 4.92 | 3.87 | 3.81 | 4.16 | 4.91 | 3.78 | 3.96 | 4.20 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.99 | 13.78 | 13.18 | 13.30 | 12.60 | 13.96 | 13.22 | 13.21 |
| STANDARD DEVIATION | 1.36 | 1.58 | 1.54 | 1.53 | 2.21 | 2.05 | 1.41 | 1.87 |
| NUMBER | 23 | 28 | 50 | 101 | 37 | 29 | 63 | 129 |
| PERCENT HS GRAD | 82.61 | 96.43 | 90.00 | 90.10 | 59.46 | 86.21 | 87.30 | 79.07 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 13.04 | 3.57 | 0.00 | 3.92 | 8.11 | 0.00 | 3.17 | 3.85 |
| NUMBER | 23 | 28 | 51 | 102 | 37 | 30 | 63 | 130 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 22.73 | 100.00 | 0.00 | 0.00 | 29.50 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 25.45 | 0.00 | 100.00 | 0.00 | 21.58 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 51.82 | 0.00 | 0.00 | 100.00 | 48.92 |

Table C11-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR IELP MODEL IN AKRON, OH

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 55 | 3 | 15 | 73 | 19 | 8 | 14 | 41 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 25.91 | 33.00 | 26.40 | 26.30 | 21.21 | 20.25 | 24.21 | 22.05 |
| STANDARD DEVIATION | 7.98 | 16.52 | 11.06 | 9.01 | 8.95 | 4.86 | 9.34 | 8.44 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.05 | 14.67 | 13.10 | 13.16 | 12.75 | 13.29 | 14.15 | 13.54 |
| STANDARD DEVIATION | 1.68 | 2.31 | 1.20 | 1.65 | 1.04 | 1.38 | 1.77 | 1.57 |
| NUMBER | 37 | 3 | 10 | 50 | 8 | 7 | 13 | 28 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 3764.10 | 5066.33 | 4630.00 | 4005.75 | 5987.25 | 4916.50 | 7142.64 | 6335.50 |
| STANDARD DEVIATION | 2095.04 | 4313.75 | 1959.05 | 2205.59 | 3459.82 | 3695.35 | 3214.60 | 3380.67 |
| MEDIAN | 3300.00 | 3200.00 | 4400.00 | 3766.67 | 5200.00 | 2750.00 | 8099.50 | 5799.50 |
| NUMBER | 39 | 3 | 10 | 52 | 8 | 6 | 14 | 28 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 33.33 | 0.00 | 1.92 | 25.00 | 16.67 | 21.43 | 21.43 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 13.33 | 2.74 | 0.00 | 12.50 | 50.00 | 19.51 |
| PERCENT BLACK | 100.00 | 100.00 | 86.67 | 97.26 | 100.00 | 87.50 | 50.00 | 80.49 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 52.73 | 66.67 | 46.67 | 52.05 | 36.84 | 50.00 | 71.43 | 51.22 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 64.84 | 65.68 | 65.53 | 65.01 | 65.67 | 65.60 | 65.70 | 65.66 |
| STANDARD DEVIATION | 3.67 | 3.40 | 2.96 | 3.49 | 3.58 | 3.92 | 5.25 | 4.17 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.54 | 13.67 | 10.48 | 12.24 | 12.66 | 10.96 | 11.44 | 11.59 |
| STANDARD DEVIATION | 1.26 | 1.15 | 4.02 | 2.16 | .84 | 2.54 | 2.97 | 2.53 |
| NUMBER | 38 | 3 | 9 | 50 | 6 | 7 | 14 | 27 |
| PERCENT HS GRAD | 76.32 | 100.00 | 55.56 | 74.00 | 83.33 | 28.57 | 42.86 | 48.15 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 61.54 | 0.00 | 30.00 | 51.92 | 62.50 | 42.86 | 28.57 | 41.38 |
| NUMBER | 39 | 3 | 10 | 52 | 8 | 7 | 14 | 29 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 75.34 | 100.00 | 0.00 | 0.00 | 46.34 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 4.11 | 0.00 | 100.00 | 0.00 | 19.51 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 20.55 | 0.00 | 0.00 | 100.00 | 34.15 |

Table C11-IIIK(PS)-29

## MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
## FOR FT AND NFT CHILDREN
## IN COHORT III-K PRESCHOOL SAMPLE
## FOR IELP MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 110 | 35 | 82 | 227 | 60 | 48 | 133 | 241 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 25.62 | 37.03 | 35.12 | 30.81 | 31.90 | 31.35 | 34.28 | 33.10 |
| STANDARD DEVIATION | 10.26 | 9.00 | 10.46 | 11.31 | 11.68 | 12.82 | 9.80 | 10.97 |
| SPELLING | | | | | | | | |
| MEAN | 19.95 | 27.43 | 27.54 | 23.85 | 24.60 | 23.81 | 26.29 | 25.38 |
| STANDARD DEVIATION | 11.60 | 10.42 | 10.49 | 11.62 | 10.88 | 9.91 | 10.12 | 10.29 |
| LANGUAGE | | | | | | | | |
| MEAN | 15.44 | 24.40 | 22.57 | 19.40 | 25.12 | 26.81 | 26.38 | 26.15 |
| STANDARD DEVIATION | 7.34 | 11.04 | 10.21 | 9.84 | 12.01 | 11.01 | 10.22 | 10.82 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 17.48 | 19.46 | 20.04 | 18.71 | 20.13 | 21.77 | 21.69 | 21.32 |
| STANDARD DEVIATION | 7.27 | 8.44 | 8.48 | 7.97 | 7.29 | 7.94 | 6.79 | 7.16 |
| RAVENS | | | | | | | | |
| MEAN | 20.28 | 22.11 | 22.05 | 21.20 | 20.18 | 21.04 | 21.80 | 21.24 |
| STANDARD DEVIATION | 4.31 | 4.55 | 4.60 | 4.52 | 4.84 | 4.17 | 3.49 | 4.04 |
| READING | | | | | | | | |
| MEAN | 18.75 | 28.43 | 26.06 | 22.89 | 23.65 | 24.77 | 24.65 | 24.43 |
| STANDARD DEVIATION | 7.95 | 8.81 | 9.36 | 9.50 | 8.86 | 8.94 | 8.86 | 8.85 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 17.31 | 23.71 | 23.55 | 20.55 | 20.87 | 22.79 | 23.19 | 22.53 |
| STANDARD DEVIATION | 7.98 | 8.87 | 8.15 | 8.73 | 8.47 | 8.17 | 7.51 | 7.91 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 13.57 | 19.14 | 18.51 | 16.22 | 16.62 | 17.77 | 17.65 | 17.41 |
| STANDARD DEVIATION | 6.90 | 8.87 | 8.74 | 8.30 | 7.93 | 7.75 | 7.37 | 7.57 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.93 | 38.74 | 38.40 | 36.77 | 37.12 | 37.40 | 37.98 | 37.65 |
| STANDARD DEVIATION | 7.43 | 7.11 | 8.82 | 8.08 | 7.21 | 7.63 | 6.37 | 6.83 |
| IARS(-) | | | | | | | | |
| MEAN | 9.58 | 10.57 | 10.56 | 10.09 | 10.00 | 9.23 | 10.16 | 9.93 |
| STANDARD DEVIATION | 2.81 | 2.42 | 2.43 | 2.65 | 2.72 | 2.98 | 2.72 | 2.78 |
| IARS(+) | | | | | | | | |
| MEAN | 12.88 | 13.51 | 13.78 | 13.30 | 13.55 | 13.73 | 13.58 | 13.60 |
| STANDARD DEVIATION | 2.66 | 2.24 | 2.04 | 2.41 | 1.99 | 1.89 | 1.86 | 1.89 |
| TOTAL READING | | | | | | | | |
| MEAN | 44.37 | 65.46 | 61.18 | 53.70 | 55.55 | 56.12 | 58.93 | 57.53 |
| STANDARD DEVIATION | 17.32 | 16.97 | 19.27 | 20.13 | 19.58 | 20.90 | 17.90 | 18.93 |
| TOTAL MATH | | | | | | | | |
| MEAN | 48.36 | 62.31 | 62.10 | 55.48 | 57.62 | 62.33 | 62.53 | 61.27 |
| STANDARD DEVIATION | 20.30 | 25.26 | 23.87 | 23.38 | 22.32 | 22.42 | 19.69 | 20.94 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.67 | 10.69 | 10.16 | 9.04 | 9.53 | 9.88 | 10.03 | 9.88 |
| STANDARD DEVIATION | 3.39 | 3.08 | 3.12 | 3.50 | 3.21 | 2.73 | 3.07 | 3.04 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 7.76 | 13.71 | 12.41 | 10.36 | 15.58 | 16.94 | 16.35 | 16.28 |
| STANDARD DEVIATION | 5.53 | 8.72 | 8.06 | 7.48 | 9.72 | 9.42 | 8.09 | 8.77 |

## Table C11-IIIK(PS)-30

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR IELP MODEL IN LOCK HAVEN, PA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 30 | 4 | 10 | 44 | 0 | 10 | 51 | 61 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 24.20 | 30.50 | 31.00 | 26.32 | 0.00 | 33.40 | 32.65 | 32.77 |
| STANDARD DEVIATION | 8.60 | 12.18 | 7.13 | 8.99 | 0.00 | 9.36 | 8.70 | 8.73 |
| SPELLING | | | | | | | | |
| MEAN | 19.73 | 14.25 | 23.70 | 20.14 | 0.00 | 27.80 | 24.10 | 24.70 |
| STANDARD DEVIATION | 9.74 | 12.55 | 9.15 | 9.94 | 0.00 | 7.93 | 10.17 | 9.87 |
| LANGUAGE | | | | | | | | |
| MEAN | 15.33 | 14.75 | 20.20 | 16.39 | 0.00 | 22.70 | 21.94 | 22.07 |
| STANDARD DEVIATION | 5.96 | 6.65 | 5.27 | 6.10 | 0.00 | 7.04 | 9.50 | 9.10 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 15.03 | 12.25 | 17.20 | 15.27 | 0.00 | 20.60 | 20.18 | 20.25 |
| STANDARD DEVIATION | 6.96 | 7.76 | 9.22 | 7.51 | 0.00 | 8.26 | 6.06 | 6.39 |
| RAVENS | | | | | | | | |
| MEAN | 19.67 | 16.25 | 21.70 | 19.82 | 0.00 | 21.20 | 21.12 | 21.13 |
| STANDARD DEVIATION | 3.66 | 4.03 | 4.76 | 4.12 | 0.00 | 4.02 | 2.89 | 3.06 |
| READING | | | | | | | | |
| MEAN | 17.80 | 19.75 | 20.70 | 18.64 | 0.00 | 25.20 | 23.57 | 23.84 |
| STANDARD DEVIATION | 6.34 | 7.37 | 7.99 | 6.77 | 0.00 | 9.15 | 8.38 | 8.45 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 15.30 | 16.50 | 21.70 | 16.86 | 0.00 | 21.40 | 22.82 | 22.59 |
| STANDARD DEVIATION | 8.59 | 8.89 | 8.83 | 8.88 | 0.00 | 7.43 | 6.66 | 6.75 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 12.23 | 12.25 | 14.90 | 12.84 | 0.00 | 16.70 | 15.71 | 15.87 |
| STANDARD DEVIATION | 6.17 | 8.85 | 7.25 | 6.59 | 0.00 | 6.75 | 7.44 | 7.29 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.30 | 31.00 | 37.60 | 34.75 | 0.00 | 37.80 | 36.76 | 36.93 |
| STANDARD DEVIATION | 6.60 | 5.83 | 6.11 | 6.55 | 0.00 | 7.25 | 6.35 | 6.45 |
| IARS(-) | | | | | | | | |
| MEAN | 9.60 | 9.25 | 9.30 | 9.50 | 0.00 | 10.50 | 10.61 | 10.59 |
| STANDARD DEVIATION | 2.61 | 1.89 | 2.00 | 2.39 | 0.00 | 3.06 | 2.44 | 2.53 |
| IARS(+) | | | | | | | | |
| MEAN | 12.70 | 13.75 | 12.30 | 12.70 | 0.00 | 14.00 | 13.75 | 13.79 |
| STANDARD DEVIATION | 2.10 | 2.63 | 2.63 | 2.25 | 0.00 | 1.63 | 1.94 | 1.88 |
| TOTAL READING | | | | | | | | |
| MEAN | 42.00 | 50.25 | 51.70 | 44.95 | 0.00 | 58.60 | 56.22 | 56.61 |
| STANDARD DEVIATION | 13.64 | 19.41 | 14.62 | 14.69 | 0.00 | 17.64 | 16.41 | 16.49 |
| TOTAL MATH | | | | | | | | |
| MEAN | 42.57 | 41.00 | 53.80 | 44.98 | 0.00 | 58.70 | 58.71 | 58.70 |
| STANDARD DEVIATION | 20.08 | 24.62 | 22.35 | 21.03 | 0.00 | 20.56 | 18.08 | 18.33 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.47 | 9.00 | 9.90 | 8.16 | 0.00 | 10.40 | 9.27 | 9.46 |
| STANDARD DEVIATION | 3.18 | 4.08 | 3.00 | 3.31 | 0.00 | 1.51 | 3.00 | 2.83 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 7.87 | 5.75 | 10.30 | 8.23 | 0.00 | 12.30 | 12.67 | 12.61 |
| STANDARD DEVIATION | 4.52 | 2.63 | 4.47 | 4.48 | 0.00 | 6.43 | 7.65 | 7.42 |

## Table C11-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR IELP MODEL IN MONTEVIDEO, MN

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMHER OF CHILDREN | 25 | 28 | 57 | 110 | 41 | 30 | 68 | 139 |
| WORD KNOWLEDGF | | | | | | | | |
| MEAN | 36.92 | 39.39 | 39.56 | [illegible].92 | 37.15 | 35.13 | 37.46 | 36.86 |
| STANDARD DEVIATION | 7.47 | 6.16 | 7.22 | 7.05 | 8.03 | 11.20 | 8.54 | 9.01 |
| SPELLING | | | | | | | | |
| MEAN | 30.96 | 30.64 | 31.07 | 30.94 | 28.10 | 24.77 | 28.75 | 27.70 |
| STANDARD DEVIATION | 6.91 | 7.06 | 7.80 | 7.36 | 8.94 | 9.70 | 8.64 | 9.04 |
| LANGUAGE | | | | | | | | |
| MEAN | 23.64 | 27.18 | 25.44 | 25.47 | 30.22 | 31.53 | 31.54 | 31.15 |
| STANDARD DEVIATION | 7.01 | 10.31 | 10.15 | 9.57 | 10.83 | 10.29 | 8.67 | 9.65 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 23.24 | 21.25 | 21.81 | 21.99 | 22.88 | 23.97 | 23.46 | 23.40 |
| STANDARD DEVIATION | 8.00 | 8.08 | 8.27 | 8.12 | 6.45 | 7.23 | 7.11 | 6.91 |
| RAVENS | | | | | | | | |
| MEAN | 23.96 | 23.82 | 23.33 | 23.60 | 22.51 | 22.57 | 22.81 | 22.67 |
| STANDARD DEVIATION | 3.60 | 2.82 | 3.14 | 3.16 | 2.93 | 2.82 | 3.34 | 3.10 |
| READING | | | | | | | | |
| MEAN | 28.32 | 30.71 | 29.81 | 29.70 | 27.00 | 27.13 | 26.75 | 26.91 |
| STANDARD DEVIATION | 5.16 | 7.46 | 7.56 | 7.05 | 8.39 | 8.11 | 8.56 | 8.36 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 25.24 | 26.11 | 25.96 | 25.84 | 24.44 | 25.80 | 24.60 | 24.81 |
| STANDARD DEVIATION | 5.77 | 7.25 | 7.01 | 6.76 | 6.96 | 7.33 | 7.53 | 7.29 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 19.92 | 21.14 | 20.89 | 20.74 | 19.76 | 20.27 | 19.93 | 19.95 |
| STANDARD DEVIATION | 7.13 | 8.24 | 8.44 | 8.05 | 7.09 | 7.40 | 6.82 | 6.98 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.32 | 39.79 | 40.04 | 39.13 | 37.93 | 38.53 | 39.46 | 38.81 |
| STANDARD DEVIATION | 7.79 | 6.99 | 8.06 | 7.82 | 7.49 | 7.94 | 6.12 | 6.94 |
| IARS(-) | | | | | | | | |
| MEAN | 10.40 | 10.89 | 10.84 | 10.75 | 10.12 | 9.10 | 9.81 | 9.75 |
| STANDARD DEVIATION | 2.47 | 2.28 | 2.43 | 2.39 | 2.49 | 3.12 | 2.99 | 2.88 |
| IARS(+) | | | | | | | | |
| MEAN | 13.56 | 13.50 | 13.98 | 13.76 | 13.66 | 13.87 | 13.46 | 13.60 |
| STANDARD DEVIATION | 1.94 | 2.29 | 1.80 | 1.96 | 1.85 | 2.00 | 1.82 | 1.86 |
| TOTAL HEADING | | | | | | | | |
| MEAN | 65.24 | 70.11 | 69.37 | 68.62 | 64.15 | 62.27 | 64.21 | 63.77 |
| STANDARD DEVIATION | 11.74 | 12.53 | 14.21 | 13.28 | 15.66 | 18.75 | 16.38 | 16.61 |
| TOTAL MATH | | | | | | | | |
| MEAN | 68.40 | 68.50 | 68.67 | 68.56 | 67.07 | 70.03 | 67.99 | 68.16 |
| STANDARD DEVIATION | 19.38 | 22.68 | 22.45 | 21.66 | 18.86 | 20.46 | 19.57 | 19.44 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 10.36 | 11.25 | 10.86 | 10.85 | 10.44 | 10.10 | 10.88 | 10.58 |
| STANDARD DEVIATION | 2.71 | 2.76 | 2.56 | 2.64 | 2.89 | 2.95 | 2.83 | 2.87 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 13.28 | 15.93 | 14.58 | 14.63 | 19.78 | 21.43 | 20.66 | 20.57 |
| STANDARD DEVIATION | 6.00 | 8.31 | 8.34 | 7.85 | 8.77 | 8.27 | 6.57 | 7.61 |

## Table C11-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR IELP MODEL IN AKRON, OH

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 55 | 3 | 15 | 73 | 19 | 8 | 14 | 41 |
| WORD KNOWLEDGF | | | | | | | | |
| MEAN | 21.25 | 23.67 | 21.00 | 21.30 | 20.58 | 14.62 | 24.79 | 20.85 |
| STANDARD DEVIATION | 8.26 | 14.47 | 9.27 | 8.60 | 10.29 | 9.21 | 12.17 | 11.13 |
| SPELLING | | | | | | | | |
| MEAN | 15.07 | 15.00 | 16.67 | 15.40 | 17.05 | 15.25 | 22.36 | 18.51 |
| STANDARD DEVIATION | 10.91 | 14.53 | 12.30 | 11.18 | 11.07 | 8.84 | 13.82 | 11.80 |
| LANGUAGE | | | | | | | | |
| MEAN | 11.76 | 11.33 | 13.27 | 12.05 | 14.11 | 14.25 | 17.50 | 15.29 |
| STANDARD DEVIATION | 4.80 | 4.62 | 6.54 | 5.16 | 4.97 | 3.45 | 4.91 | 4.86 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 16.20 | 12.33 | 15.20 | 15.84 | 14.21 | 15.00 | 18.64 | 15.88 |
| STANDARD DEVIATION | 5.65 | 4.04 | 6.67 | 5.81 | 5.23 | 6.68 | 5.57 | 5.86 |
| RAVENS | | | | | | | | |
| MEAN | 18.95 | 14.00 | 17.40 | 18.42 | 15.16 | 15.12 | 19.36 | 16.59 |
| STANDARD DEVIATION | 4.03 | 3.46 | 6.20 | 4.60 | 4.34 | 3.60 | 4.52 | 4.63 |
| READING | | | | | | | | |
| MEAN | 14.93 | 18.67 | 15.40 | 15.18 | 16.42 | 15.37 | 18.43 | 16.90 |
| STANDARD DEVIATION | 6.03 | 10.97 | 6.17 | 6.21 | 4.48 | 5.55 | 8.94 | 6.46 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 14.80 | 11.00 | 15.60 | 14.81 | 13.16 | 13.25 | 17.64 | 14.71 |
| STANDARD DEVIATION | 6.03 | 9.17 | 6.58 | 6.22 | 5.96 | 3.01 | 8.08 | 6.59 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 11.42 | 9.67 | 11.87 | 11.44 | 9.84 | 9.75 | 13.64 | 11.12 |
| STANDARD DEVIATION | 5.36 | 4.04 | 6.57 | 5.53 | 4.86 | 4.03 | 6.25 | 5.43 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.64 | 39.33 | 32.73 | 34.44 | 35.37 | 32.62 | 35.21 | 34.78 |
| STANDARD DEVIATION | 7.73 | 3.51 | 10.97 | 8.38 | 6.41 | 5.55 | 6.23 | 6.13 |
| IARS(-) | | | | | | | | |
| MEAN | 9.20 | 9.33 | 10.33 | 9.44 | 9.74 | 8.13 | 10.21 | 9.59 |
| STANDARD DEVIATION | 3.02 | 4.04 | 2.55 | 2.96 | 3.21 | 1.89 | 2.15 | 2.71 |
| IARS(+) | | | | | | | | |
| MEAN | 12.67 | 13.33 | 14.00 | 12.97 | 13.32 | 12.87 | 13.57 | 13.32 |
| STANDARD DEVIATION | 3.16 | 2.08 | 2.20 | 2.97 | 2.29 | 1.73 | 1.87 | 2.02 |
| TOTAL READING | | | | | | | | |
| MEAN | 36.18 | 42.33 | 36.40 | 36.48 | 37.00 | 30.00 | 43.21 | 37.76 |
| STANDARD DEVIATION | 13.08 | 25.42 | 14.43 | 13.72 | 13.40 | 11.19 | 19.87 | 15.93 |
| TOTAL MATH | | | | | | | | |
| MEAN | 42.42 | 33.00 | 42.67 | 42.08 | 37.21 | 38.00 | 49.93 | 41.71 |
| STANDARD DEVIATION | 14.43 | 16.09 | 18.13 | 15.20 | 14.11 | 12.17 | 17.95 | 16.01 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.56 | 7.67 | 7.67 | 6.84 | 7.58 | 8.38 | 8.64 | 8.10 |
| STANDARD DEVIATION | 3.15 | 3.21 | 3.94 | 3.31 | 3.06 | 2.83 | 3.41 | 3.10 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 5.20 | 3.67 | 5.60 | 5.22 | 6.53 | 5.88 | 8.86 | 7.20 |
| STANDARD DEVIATION | 3.72 | 1.53 | 3.56 | 3.61 | 3.42 | 1.55 | 2.63 | 3.08 |

APPENDIX TABLES
for
VOLUME IV-B

CHAPTER TWELVE
INTERDEPENDENT LEARNING MODEL

### Table C12-IIIK-1

### ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT III KINDERGARTEN SITES IN THE ILM MODEL

| | | NEW YORK, NY | | | ATLANTA, GA | | |
|---|---|---|---|---|---|---|---|
| | | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 |
| BLACK | Percent | 100.0 | 80.7 | 97.3 | 92.0 | 93.3 | 98.1 |
| | Number | 39 | 167 | 36 | 104 | 125 | 104 |
| ORIENTAL | Percent | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 6 | 0 | 0 | 0 | 0 |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 |
| PUERTO RICAN | Percent | 0.0 | 14.5 | 2.7 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 30 | 1 | 0 | 0 | 0 |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 |
| WHITE | Percent | 0.0 | 1.9 | 0.0 | 8.0 | 6.7 | 1.9 |
| | Number | 0 | 4 | 0 | 9 | 9 | 2 |
| OTHER | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 |
| BEST MATCHED SITE | | Newark, NJ | | | Louisville, KY | | |

### Table C12-IIIK-2

### DISTRIBUTION OF BACKGROUND VARIABLES COHORT III KINDERGARTEN CHILDREN FOR THE ILM MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | ATLANTA, GA | | |
|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE Number | — | — | — | 39 | 207 | 37 | 113 | 134 | 106 |
| FALL KINDERGARTEN WRAT Mean Score | 29.0 | 26.4 | — | 35.8 | 31.1 | 30.0 | 22.2 | 21.8 | 17.8 |
| PERCENT WITH PRESCHOOL | 49 | 48 | — | 77 | 48 | 41 | 22 | 48 | 48 |
| Number Responding | — | — | — | 39 | 163 | 32 | 109 | 64 | 106 |
| CHILDREN'S ETHNICITY | | | | | | | | | |
| Percent Black | 96 | 87 | — | 100 | 81 | 97 | 92 | 93 | 98 |
| Percent White | 4 | 4 | — | 0 | 2 | 0 | 8 | 7 | 2 |
| Percent Other | 0 | 9 | — | 0 | 17 | 3 | 0 | 0 | 0 |
| MEDIAN FAMILY INCOME | 3984 | 4788 | — | 4800 | 5775 | 5050 | 3167 | 3800 | 3220 |
| Number Responding | — | — | — | 26 | 39 | 27 | 34 | 36 | 56 |
| MOTHER'S EDUCATION | | | | | | | | | |
| Percent H.S. Graduates | 56 | 40 | — | 59 | 33 | 50 | 53 | 47 | 47 |
| Number Responding | — | — | — | 22 | 46 | 28 | 32 | 36 | 55 |
| FEMALE HEADS OF HOUSEHOLD Percent | 49 | 52 | — | 46 | 30 | 59 | 51 | 74 | 47 |
| BEST MATCHED SITE | | | | Newark, NJ | | | Louisville, KY | | |

## Table C12-IIIK-3

## TEACHER BACKGROUND CHARACTERISTICS FOR COHORT III-K SITES IN ILM MODEL

| | New York, NY | | Atlanta, GA | |
|---|---|---|---|---|
| | FT | NFT | FT | NFT |
| **YEARS OF ELEMENTARY TEACHING EXPERIENCE** | | | | |
| Mean | 6.66 | 8.85 | 14.45 | 15.40 |
| Standard Deviation | 2.08 | 6.06 | 9.75 | 10.57 |
| N | 3 | 20 | 11 | 10 |
| **YEARS IN SCHOOL** | | | | |
| Mean | 6.00 | 7.80 | 8.68 | 11.60 |
| Standard Deviation | 2.64 | 5.81 | 7.01 | 10.99 |
| N | 3 | 20 | 11 | 10 |
| **YEARS IN MODEL** | | | | |
| Mean | 5.00 | 2.00 | 3.68 | 1.37 |
| Standard Deviation | 1.00 | 3.00 | 1.97 | 1.75 |
| N | 3 | 6 | 11 | 4 |
| **TEACHER'S EDUCATION** | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 |
| % with B.A. | 0 | 10.0 | 18.2 | 10 |
| % Some Graduate | 0 | 25.0 | 63.6 | 40 |
| % M.A. or More | 100 | 65.0 | 18.2 | 50 |
| N | 3 | 20 | 11 | 10 |
| **TEACHER'S CERTIFICATION** | | | | |
| % None | 0 | 0 | 0 | 0 |
| % Temporary | 0 | 10.5 | 0 | 0 |
| % Renewable/Permanent | 100 | 89.5 | 100 | 100 |
| N | 3 | 19 | 11 | 10 |
| **TEACHER'S ETHNICITY** | | | | |
| % White | 66.7 | 68.4 | 36.4 | 20 |
| % Black | 33.3 | 26.3 | 63.6 | 80 |
| % Spanish Surname | 0 | 5.3 | 0 | 0 |
| % Other | 0 | 0 | 0 | 0 |
| N | 3 | 19 | 11 | 10 |
| **AGE IN YEARS** | | | | |
| Mean | 31.0 | 36.15 | 40.54 | 42.0 |
| Standard Deviation | 7.81 | 11.21 | 11.74 | 13.18 |
| N | 3 | 19 | 11 | 9 |

## Table C12-IIIK-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1975) FOR THE COHORT III KINDERGARTEN SITES IN THE ILM MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | ATLANTA, GA | | |
|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 49.5 | 52.1 | — | 46.2 | 52.6 | 50.8 | 52.8 | 51.6 | 54.6 |
| Number | 2 | 2 | — | 3 | 20 | 7 | 10 | 10 | 18 |
| Local Mean Difference | -2.6 | — | — | -6.5 | — | — | — | — | — |
| Best Match Mean Difference | -3.2 | — | — | -4.7 | — | — | — | — | — |
| FLEXIBLE CLASSROOM | 58.7 | 49.0 | — | 55.2 | 47.6 | 43.6 | 62.2 | 50.4 | 45.7 |
| Number | 2 | 2 | — | 3 | 20 | 7 | 10 | 10 | 18 |
| Local Mean Difference | 9.7 | — | — | 7.6 | — | — | 11.8 | — | — |
| Best Match Mean Difference | 14.0 | — | — | 11.6 | — | — | 16.5 | — | — |
| INDIVIDUALIZATION | 59.5 | 47.3 | — | 60.8 | 44.8 | 45.8 | 58.2 | 49.8 | 51.0 |
| Number | 2 | 2 | — | 3 | 20 | 7 | 11 | 10 | 18 |
| Local Mean Difference | 12.2 | — | — | 16.0 | — | — | 8.5 | — | — |
| Best Match Mean Difference | 11.1 | — | — | 15.0 | — | — | 7.2 | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 46.1 | 48.6 | — | 45.8 | 50.3 | 49.2 | 46.4 | 46.8 | 52.0 |
| Number | 2 | 2 | — | 3 | 18 | 7 | 11 | 10 | 18 |
| Local Mean Difference | — | — | — | -4.5 | — | — | — | — | — |
| Best Match Mean Difference | -4.5 | — | — | -3.4 | — | — | -5.6 | — | — |
| SATISFACTION WITH SPONSOR | 49.7 | 47.6 | — | 45.1 | 48.0 | 41.7 | 54.3 | 47.2 | 42.2 |
| Number | 2 | 2 | — | 3 | 7 | 5 | 11 | 6 | 9 |
| Local Mean Difference | — | — | — | -2.9 | — | — | 7.1 | — | — |
| Best Match Mean Difference | 7.8 | — | — | 3.5 | — | — | 12.2 | — | — |
| BEST MATCHED SITE | | | | Newark, NJ | | | Louisville, KY | | |

## Table C12-IIIK-5

STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1975)
FOR THE COHORT III KINDERGARTEN SITES
IN THE ILM MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | ATLANTA, GA | | |
|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 49.2 | 51.5 | — | 49.8 | 51.9 | 48.3 | 48.6 | 51.0 | 49.8 |
| Number | 2 | 2 | — | 20 | 125 | 27 | 31 | 29 | 34 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — |
| SCHOOL HELPED CHILD | 47.7 | 50.0 | — | 44.0 | 49.2 | 51.9 | 51.4 | 50.8 | 48.3 |
| Number | 2 | 2 | — | 20 | 124 | 27 | 31 | 29 | 34 |
| Local Mean Difference | — | — | — | -5.2 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -7.9 | — | — | 3.1 | — | — |
| PAC INVOLVEMENT | 53.4 | 44.2 | — | 53.4 | 45.2 | 47.7 | 53.3 | 43.2 | 49.5 |
| Number | 2 | 2 | — | 18 | 99 | 24 | 29 | 28 | 27 |
| Local Mean Difference | 9.1 | — | — | 8.2 | — | — | 10.1 | — | — |
| Best Match Mean Difference | — | — | — | 5.7 | — | — | 3.9 | — | — |
| CHILD READS AT HOME | 51.5 | 52.2 | — | 51.0 | 52.6 | 52.6 | 52.0 | 51.9 | 50.9 |
| Number | 2 | 2 | — | 20 | 125 | 27 | 31 | 29 | 34 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — |
| CHILD'S PROG IN SCHOOL | 48.9 | 50.5 | — | 48.7 | 50.6 | 51.4 | 49.2 | 50.4 | 47.8 |
| Number | 2 | 2 | — | 20 | 125 | 27 | 31 | 29 | 34 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -2.7 | — | — | — | — | — |
| CHILD READ TO AT HOME | 51.7 | 52.0 | — | 51.0 | 51.8 | 50.5 | 52.3 | 52.1 | 51.2 |
| Number | 2 | 2 | — | 20 | 125 | 27 | 31 | 29 | 34 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — |
| PARENT VISITS TO SCHOOL | 54.5 | 50.5 | — | 57.5 | 50.7 | 51.4 | 51.6 | 50.2 | 48.7 |
| Number | 2 | 2 | — | 20 | 125 | 27 | 31 | 29 | 34 |
| Local Mean Difference | 4.1 | — | — | 6.7 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 6.1 | — | — | 2.9 | — | — |
| CHILD'S EMOT ADJUST | 50.3 | 54.1 | — | 46.7 | 51.5 | 51.5 | 54.0 | 56.8 | 46.7 |
| Number | 2 | 2 | — | 20 | 124 | 27 | 31 | 29 | 34 |
| Local Mean Difference | -3.8 | — | — | -4.8 | — | — | -2.8 | — | — |
| Best Match Mean Difference | — | — | — | -4.9 | — | — | 5.3 | — | — |
| SCH HELPED WITH CHILD | 54.3 | 51.0 | — | 51.5 | 49.3 | 45.6 | 57.0 | 52.7 | 49.9 |
| Number | 2 | 2 | — | 20 | 124 | 27 | 31 | 29 | 33 |
| Local Mean Difference | 3.2 | — | — | — | — | — | 4.3 | — | — |
| Best Match Mean Difference | — | — | — | 5.9 | — | — | 7.2 | — | — |
| SCHOOL'S RECEPTIVITY | 48.9 | 49.9 | — | 49.1 | 51.7 | 48.6 | 48.8 | 48.0 | 49.6 |
| Number | 2 | 2 | — | 20 | 124 | 27 | 31 | 29 | 34 |
| Local Mean Difference | — | — | — | -2.6 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — |
| PARENT LOCUS | 54.0 | 51.8 | — | 54.9 | 49.8 | 52.0 | 53.0 | 53.8 | 52.1 |
| Number | 2 | 2 | — | 20 | 125 | 27 | 31 | 29 | 34 |
| Local Mean Difference | — | — | — | 5.1 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 2.9 | — | — | — | — | — |
| SCH HELPED PERSONALLY | 51.8 | 47.6 | — | 51.3 | 46.8 | 48.5 | 52.4 | 48.4 | 48.4 |
| Number | 2 | 2 | — | 20 | 125 | 27 | 31 | 29 | 34 |
| Local Mean Difference | 4.2 | — | — | 4.5 | — | — | 4.0 | — | — |
| Best Match Mean Difference | — | — | — | 2.8 | — | — | 3.9 | — | — |
| PARENT-CHILD INTERACTION | 53.6 | 52.2 | — | 56.3 | 54.1 | 55.3 | 50.9 | 50.4 | 51.1 |
| Number | 2 | 2 | — | 20 | 125 | 27 | 31 | 29 | 34 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — |
| BEST MATCHED SITE | | | | Newark, NJ | | | Louisville, KY | | |

7

Table C12-IIIK-6

## PROPORTION OF ATTRITION AND DESCRIPTIVE INFORMATION FOR ILM MODEL

| | | New York, NY | | Atlanta, GA | |
|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT |
| NUMBER | | | | | |
| Total Registration | N | 110 | 764 | 333 | 334 |
| Children Retained (Analytic Sample) | N | 39 | 207 | 113 | 134 |
| Children Not Retained (Program and Sample Attrition) | N | 71 | 557 | 220 | 200 |
| | %* | 65 | 73 | 66 | 60 |
| Children Not Retained (Sample Attrition) | N | 11 | 90 | 14 | 85 |
| | %* | 10 | 12 | 4 | 25 |
| WRAT | | | | | |
| Total Registration | Mean | 33.2 | 31.5 | 21.3 | 21.1 |
| | Standard Deviation | 11.5 | 13.7 | 9.7 | 10.3 |
| | Number | 102 | 669 | 306 | 303 |
| Children Retained (Analytic Sample) | Mean | 35.8 | 31.1 | 22.2 | 21.8 |
| | Standard Deviation | 9.2 | 12.4 | 9.3 | 10.3 |
| | Number | 36 | 198 | 105 | 131 |
| Children Not Retained (Program and Sample Attrition) | Mean | 31.8 | 31.7 | 20.9 | 20.5 |
| | Standard Deviation | 12.4 | 14.2 | 9.9 | 10.4 |
| | Number | 66 | 471 | 201 | 172 |
| Children Not Retained (Sample Attrition) | Mean | 31.6 | 29.3 | 21.9 | 21.0 |
| | Standard Deviation | 11.2 | 15.5 | 11.4 | 11.1 |
| | Number | 10 | 89 | 13 | 85 |
| INCOME | | | | | |
| Total Registration | Mean | 4485 | 5934 | 4545 | 3634 |
| | Standard Deviation | 2451 | 2509 | 2740 | 2307 |
| | Number | 80 | 216 | 102 | 99 |
| Children Retained (Analytic Sample) | Mean | 4469 | 6090 | 4141 | 4039 |
| | Standard Deviation | 2166 | 2255 | 2508 | 2294 |
| | Number | 26 | 39 | 34 | 36 |
| Children Not Retained (Program and Sample Attrition) | Mean | 4493 | 5900 | 4747 | 3403 |
| | Standard Deviation | 2596 | 2566 | 2845 | 2301 |
| | Number | 54 | 177 | 68 | 63 |
| Children Not Retained (Sample Attrition) | Mean | 4712 | 5881 | 6650 | 2882 |
| | Standard Deviation | 2360 | 2489 | 998 | 1767 |
| | Number | 8 | 58 | 4 | 28 |

*Percent of Total Registration.

## Table C12-IIIK-7

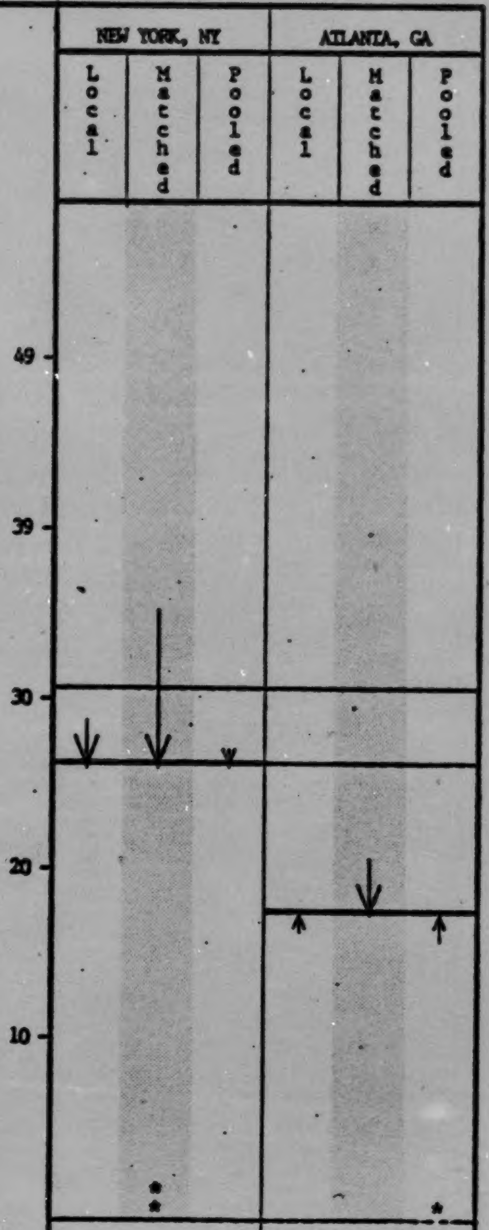
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT WORD KNOWLEDGE FOR COHORT III KINDERGARTEN SITES IN THE ILM MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. - | 9.85 |
| .25 S.D. - | 2.46 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 30.5

Overall NFT Mean 26.3



| | NEW YORK, NY Local | NEW YORK, NY Matched | NEW YORK, NY Pooled | ATLANTA, GA Local | ATLANTA, GA Matched | ATLANTA, GA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -2.68 | -9.03 | -0.75 | 0.46 | -3.13 | 1.59 |
| Standard Error | 2.95 | 3.18 | 1.43 | 1.99 | 1.89 | 0.74 |
| FT Mean | 25.90 | | | 17.38 | | |
| No. of FT Children | 39 | | | 113 | | |
| Matched NFT Site | Newark, NJ | | | Louisville, KY | | |

## Table C12-IIIK-8

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT SPELLING FOR COHORT III KINDERGARTEN SITES IN THE ILM MODEL

**KEY**

FT Favoring: ↑

NFT Favoring: ↓

Material Difference: ⋁ ⋀

S.D. - 11.60

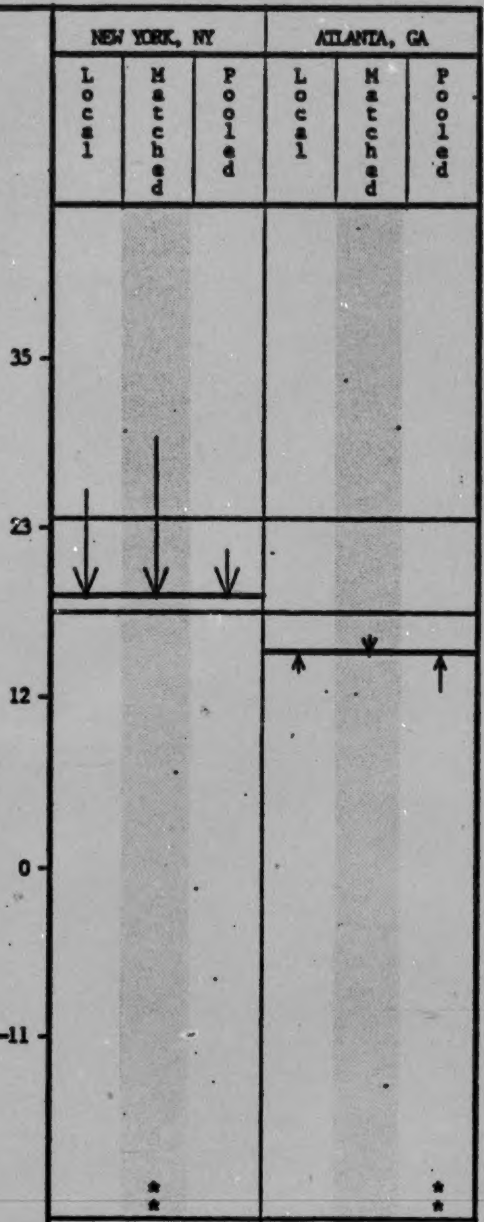
.25 S.D. - 2.90

P < .05 : *

P < .01 : **

National Mean 24.0

Overall NFT Mean 18.4



| | NEW YORK, NY | | | ATLANTA, GA | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -7.13 | -10.76 | -3.18 | 1.41 | -0.33 | 2.64 |
| Standard Error | 3.94 | 3.53 | 1.78 | 2.66 | 2.53 | 0.98 |
| FT Mean | 18.90 | | | 15.00 | | |
| No. of FT Children | 39 | | | 113 | | |
| Matched NFT Site | Newark, NJ | | | Louisville, KY | | |

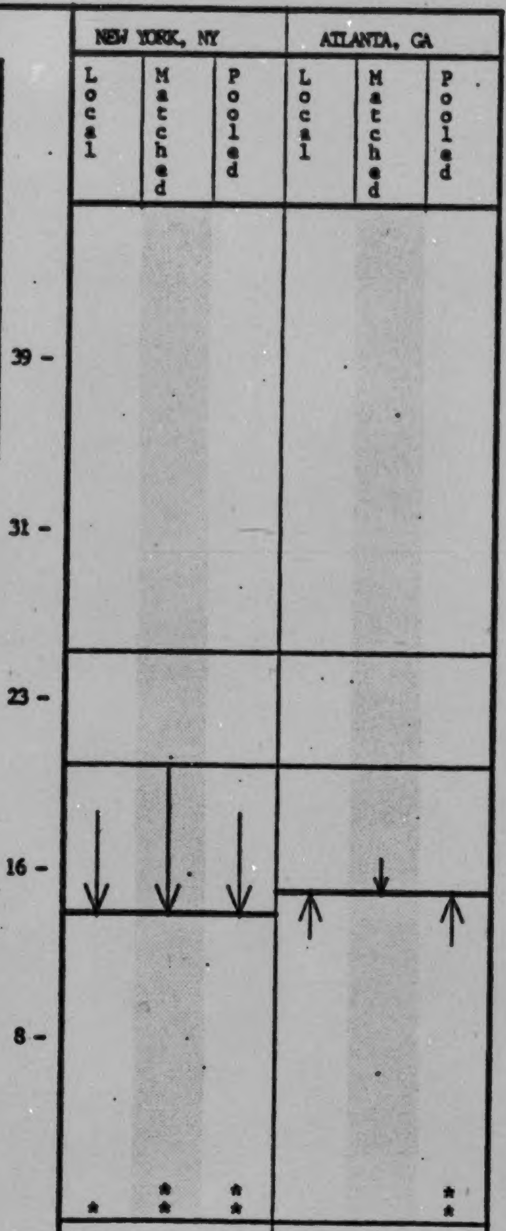
Table C12-IIIK-9

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT LANGUAGE
FOR COHORT III KINDERGARTEN SITES
IN THE ILM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. - | 7.75 |
| .25 S.D. - | 1.94 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 26.0

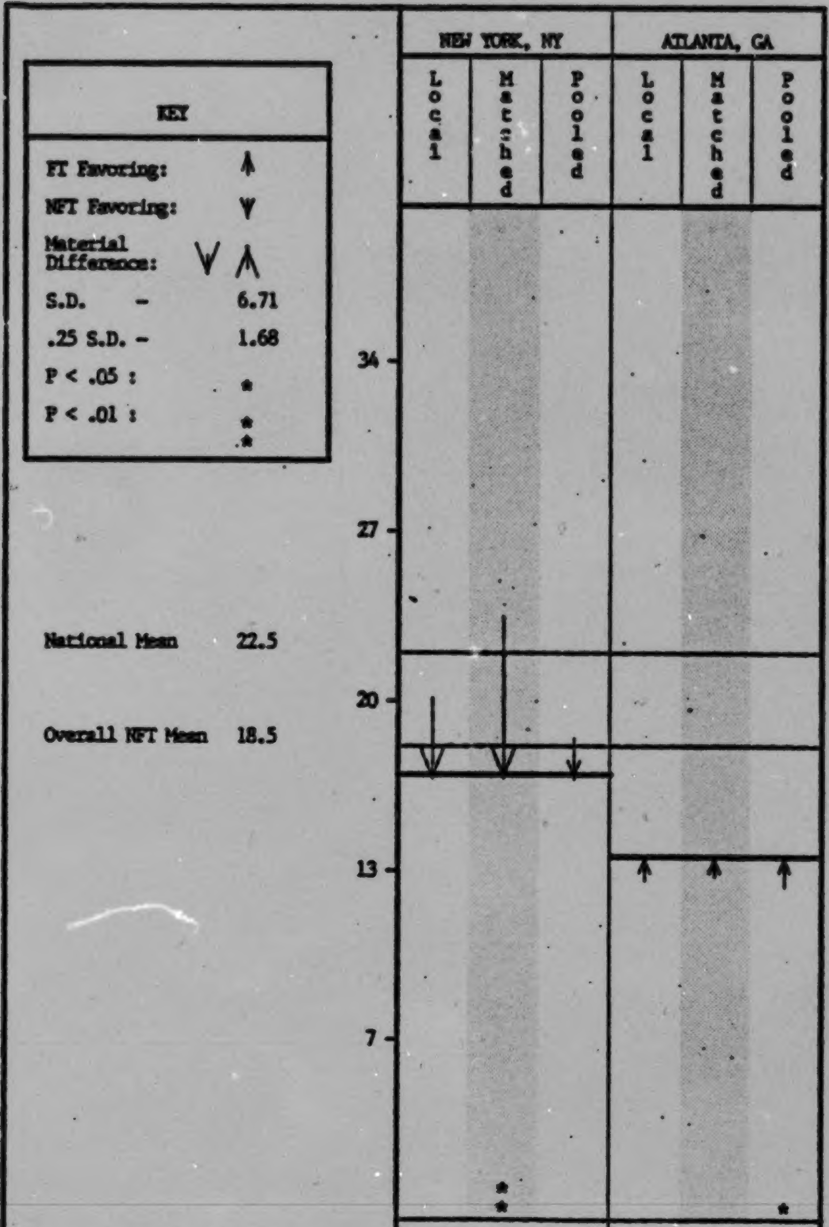
Overall NFT Mean 20.6



| | NEW YORK, NY | | | ATLANTA, GA | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -4.62 | -6.84 | -4.63 | 1.96 | -1.56 | 2.32 |
| Standard Error | 2.19 | 2.20 | 1.00 | 1.48 | 1.40 | 0.56 |
| FT Mean | 13.64 | | | 14.71 | | |
| No. of FT Children | 39 | | | 113 | | |
| Matched NFT Site | Newark, NJ | | | Louisville, KY | | |

## Table C12-IIIK-10

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT III KINDERGARTEN SITES IN THE ILM MODEL



| | NEW YORK, NY | | | ATLANTA, GA | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -3.17 | -6.42 | -1.49 | 0.85 | 0.18 | 1.13 |
| Standard Error | 2.24 | 2.05 | 1.07 | 1.51 | 1.22 | 0.53 |
| FT Mean | 17.28 | | | 14.09 | | |
| No. of FT Children | 39 | | | 113 | | |
| Matched NFT Site | Newark, NJ | | | Louisville, KY | | |

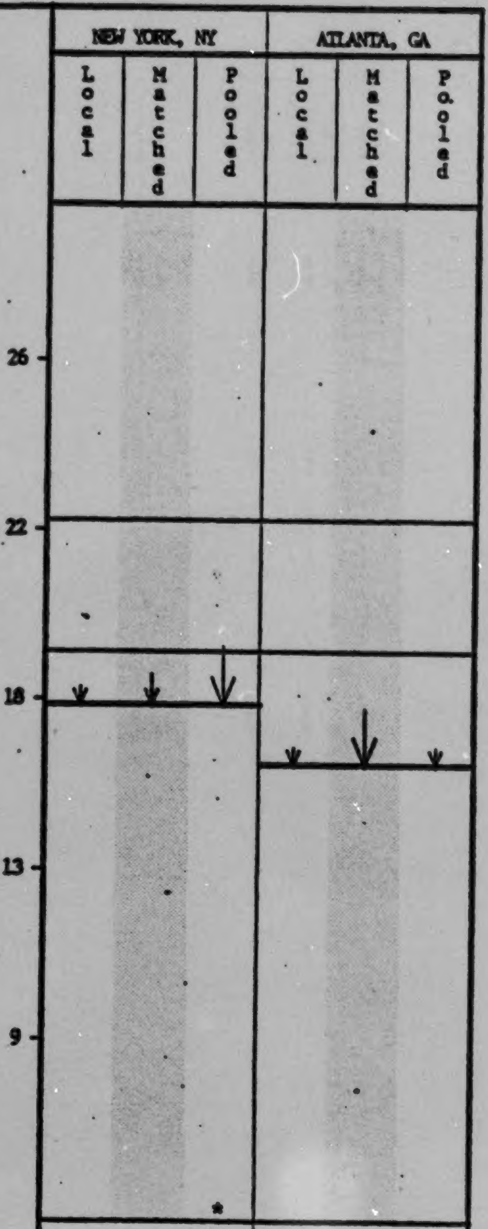
# Table C12-IIIK-11

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE RAVEN S PROGRESSIVE MATRICES FOR COHORT III KINDERGARTEN SITES IN THE ILM MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 4.38 |
| .25 S.D. - | 1.09 |
| P < .05 : | * |
| P < .01 : | *<br>* |

| | |
|---|---|
| National Mean | 22.3 |
| Overall NFT Mean | 19.0 |



| | NEW YORK, NY Local | NEW YORK, NY Matched | NEW YORK, NY Pooled | ATLANTA, GA Local | ATLANTA, GA Matched | ATLANTA, GA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.05 | -0.79 | -1.53 | -0.26 | -1.40 | -0.08 |
| Standard Error | 1.53 | 1.24 | 0.69 | 1.03 | 0.99 | 0.44 |
| FT Mean | 17.46 | | | 15.97 | | |
| No. of FT Children | 39 | | | 113 | | |
| Matched NFT Site | Newark, NJ | | | Louisville, KY | | |

**COHORT III-K STUDY**
**Non-Preschool Adjusted**

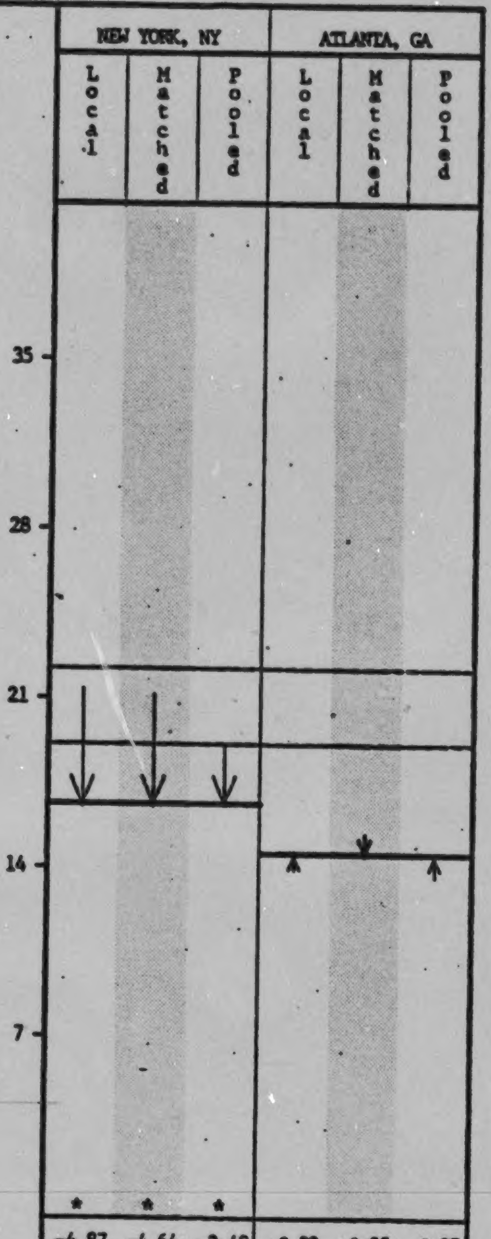
### Table C12-IIIK-12

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT READING FOR COHORT III KINDERGARTEN SITES IN THE ILM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. - | 7.07 |
| .25 S.D. - | 1.77 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.5

Overall NFT Mean 19.9



| | NEW YORK, NY Local | NEW YORK, NY Matched | NEW YORK, NY Pooled | ATLANTA, GA Local | ATLANTA, GA Matched | ATLANTA, GA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -4.87 | -4.64 | -2.48 | 0.39 | -0.85 | 0.87 |
| Standard Error | 2.13 | 2.24 | 1.15 | 1.44 | 1.15 | 0.45 |
| FT Mean | 16.90 | | | 14.86 | | |
| No. of FT Children | 39 | | | 113 | | |
| Matched NFT Site | Newark, NJ | | | Louisville, KY | | |

1256

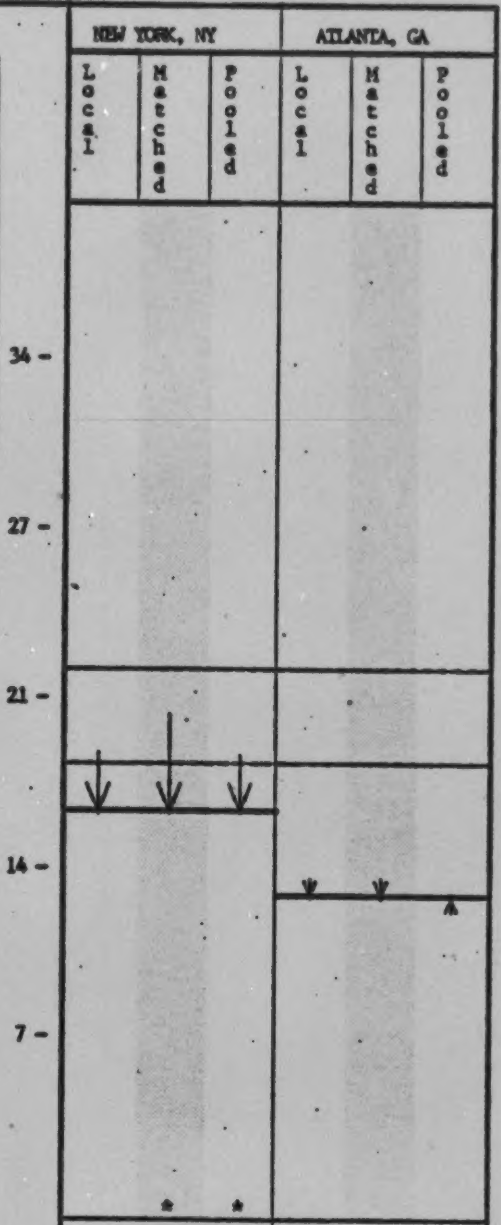
Table C12-IIIK-13

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS CONCEPTS FOR COHORT III KINDERGARTEN SITES IN THE ILM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. - | 6.87 |
| .25 S.D. - | 1.72 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.0

Overall NFT Mean 18.0

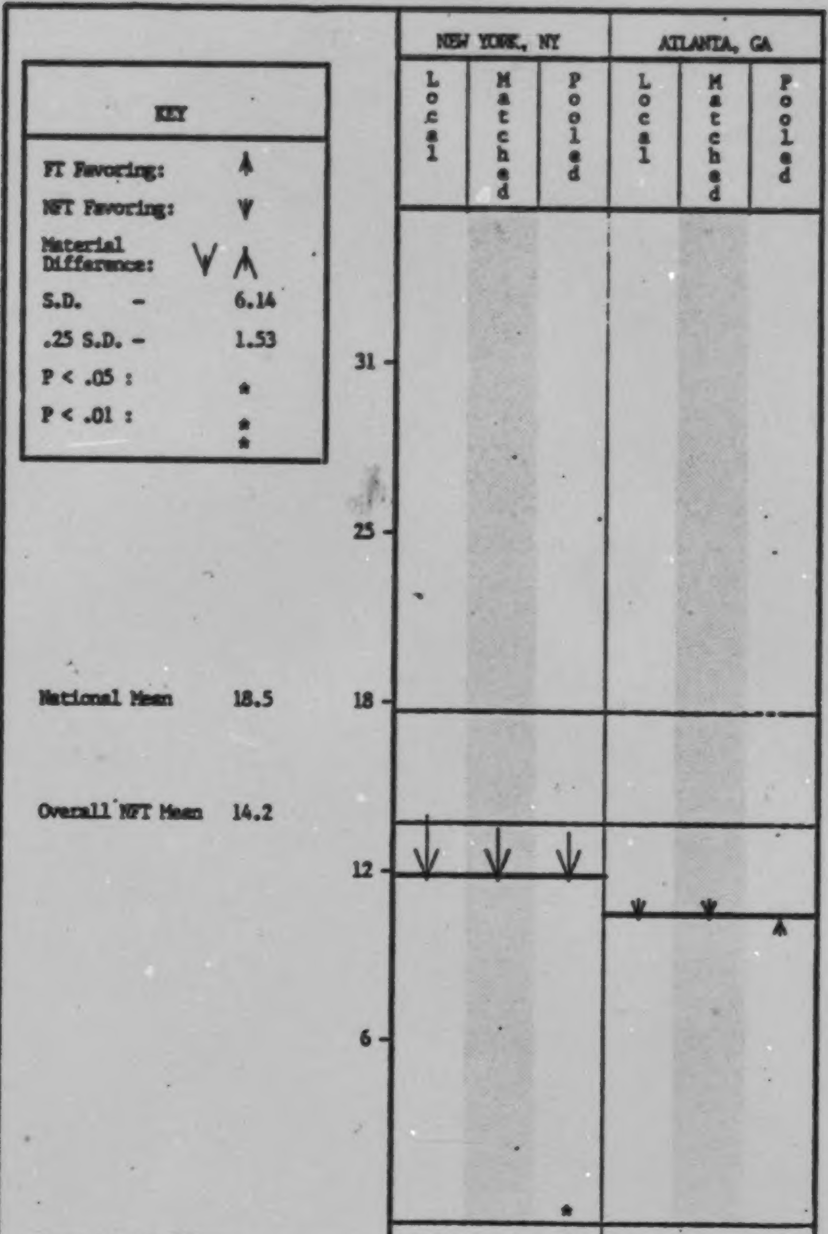


| | NEW YORK, NY | | | ATLANTA, GA | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -2.42 | -4.00 | -2.27 | -0.25 | -0.80 | 0.01 |
| Standard Error | 2.04 | 1.62 | 0.92 | 1.38 | 1.26 | 0.49 |
| FT Mean | 16.21 | | | 12.80 | | |
| No. of FT Children | 39 | | | 113 | | |
| Matched NFT Site | Newark, NJ | | | Louisville, KY | | |

**COHORT III-K STUDY**
**Non-Preschool Adjusted**

Table C12-IIIK-14

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT III KINDERGARTEN SITES IN THE ILM MODEL



| | NEW YORK, NY Local | NEW YORK, NY Matched | NEW YORK, NY Pooled | ATLANTA, GA Local | ATLANTA, GA Matched | ATLANTA, GA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -2.31 | -1.81 | -1.70 | -0.14 | -0.45 | 0.21 |
| Standard Error | 1.87 | 1.46 | 0.86 | 1.26 | 1.09 | 0.44 |
| FT Mean | 12.21 | | | 10.90 | | |
| No. of FT Children | 39 | | | 113 | | |
| Matched NFT Site | Newark, NJ | | | Louisville, KY | | |

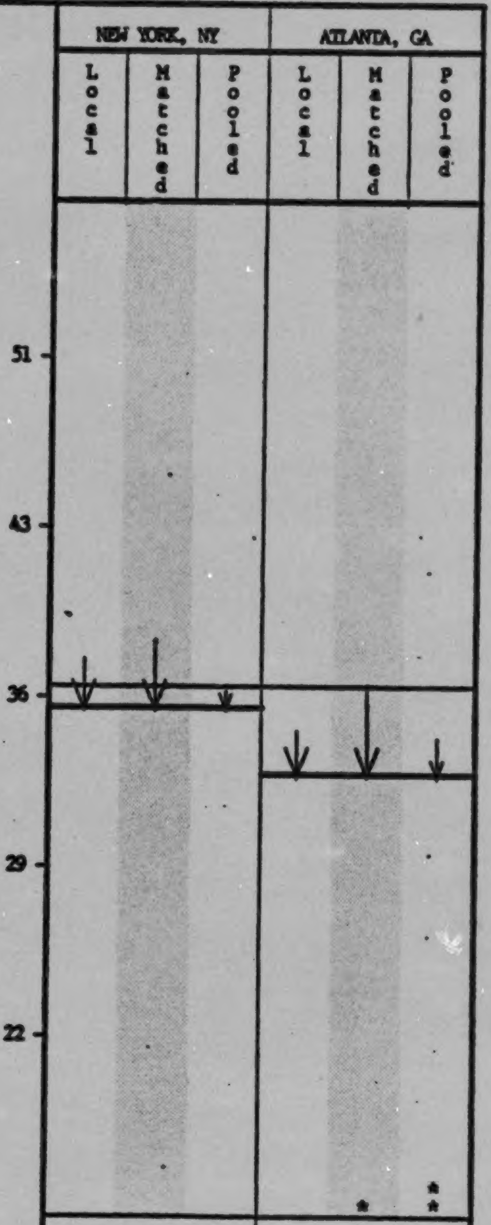
### Table C12-IIIK-15

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT III KINDERGARTEN SITES IN THE IIM MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. - | 7.22 |
| .25 S.D. - | 1.80 |
| P < .05 : | * |
| P < .01 : | ** |

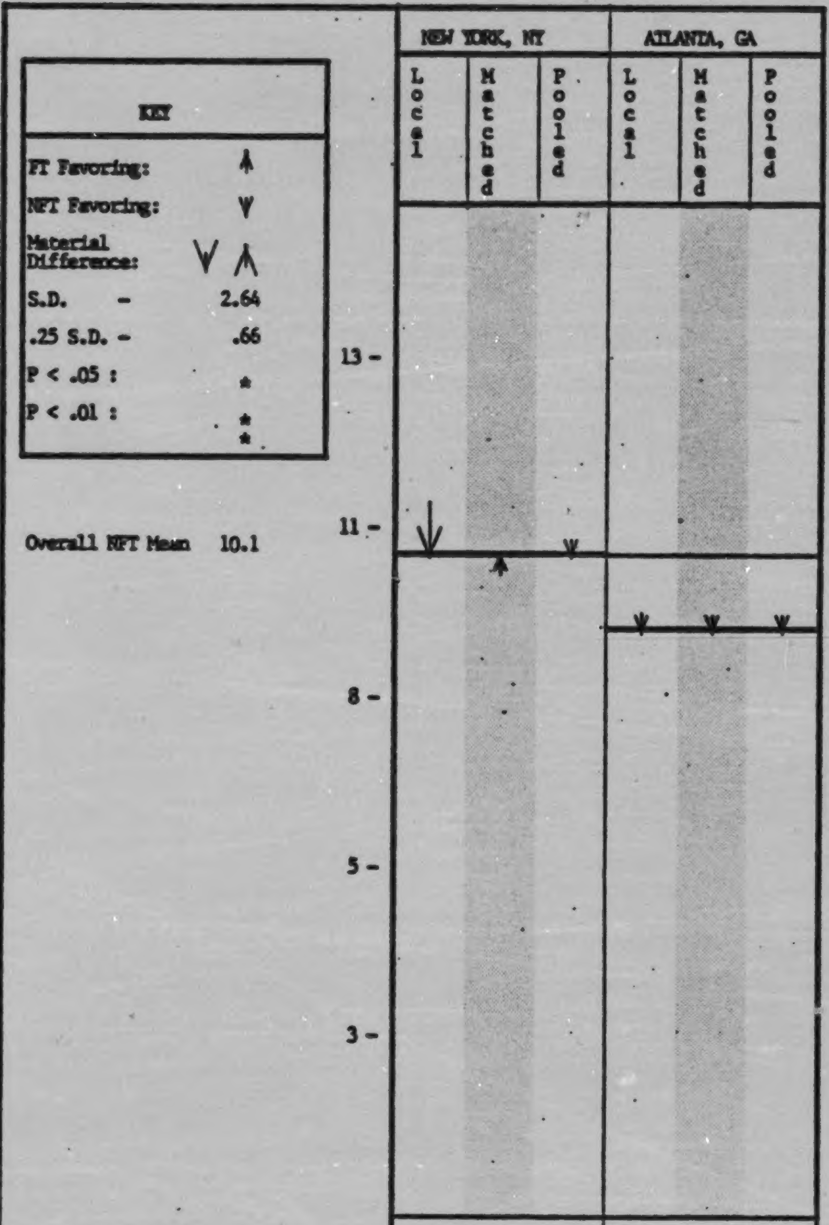
Overall NFT Mean 36.6



| | NEW YORK, NY Local | NEW YORK, NY Matched | NEW YORK, NY Pooled | ATLANTA, GA Local | ATLANTA, GA Matched | ATLANTA, GA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -2.22 | -2.94 | -0.79 | -1.97 | -3.93 | -1.71 |
| Standard Error | 2.43 | 2.00 | 1.29 | 1.64 | 1.56 | 0.54 |
| FT Mean | 35.69 | | | 32.88 | | |
| No. of FT Children | 39 | | | 113 | | |
| Matched NFT Site | Newark, NJ | | | Louisville, KY | | |

## Table C12-IIIK-16

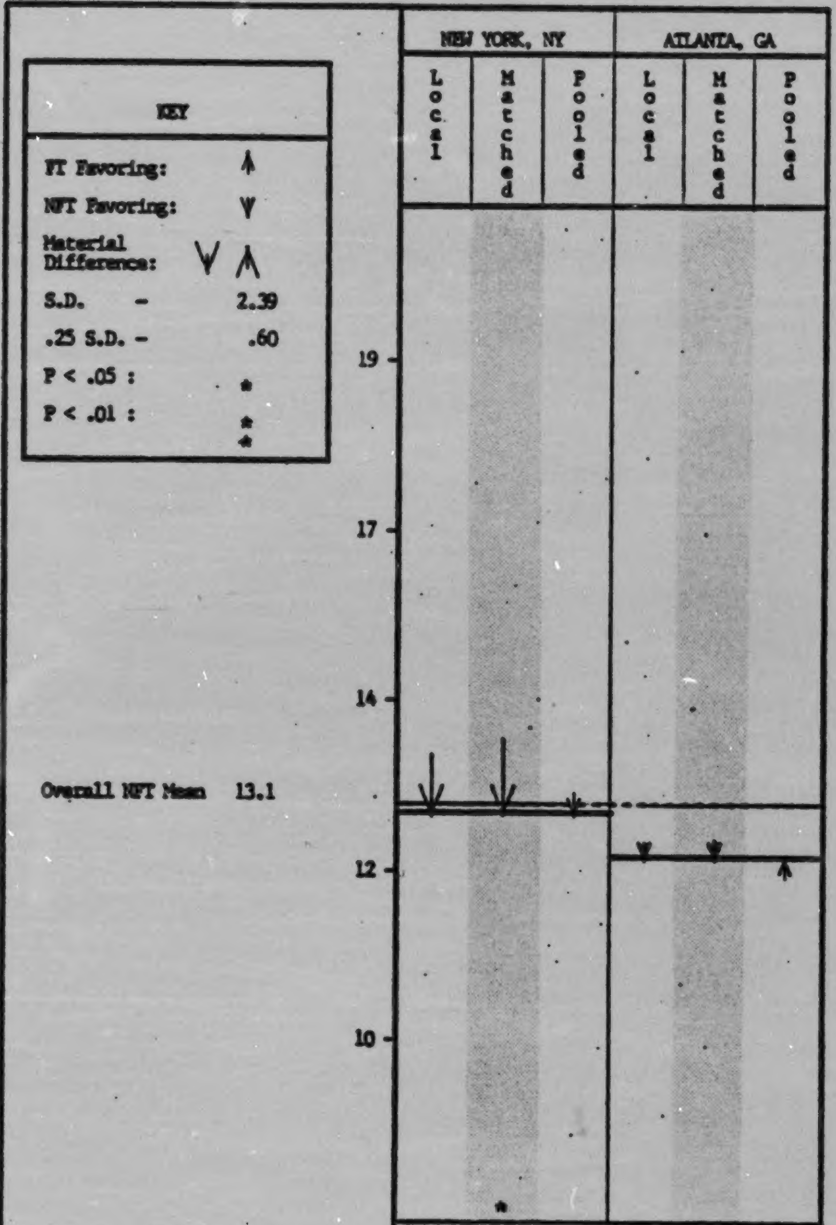
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT III KINDERGARTEN SITES IN THE IIM MODEL



| | NEW YORK, NY Local | NEW YORK, NY Matched | NEW YORK, NY Pooled | ATLANTA, GA Local | ATLANTA, GA Matched | ATLANTA, GA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.84 | 0.29 | -0.12 | -0.31 | -0.02 | -0.23 |
| Standard Error | 0.91 | 0.72 | 0.45 | 0.62 | 0.59 | 0.24 |
| FT Mean | 10.18 | | | 8.99 | | |
| No. of FT Children | 39 | | | 113 | | |
| Matched NFT Site | Newark, NJ | | | Louisville, KY | | |

## Table C12-IIIK-17

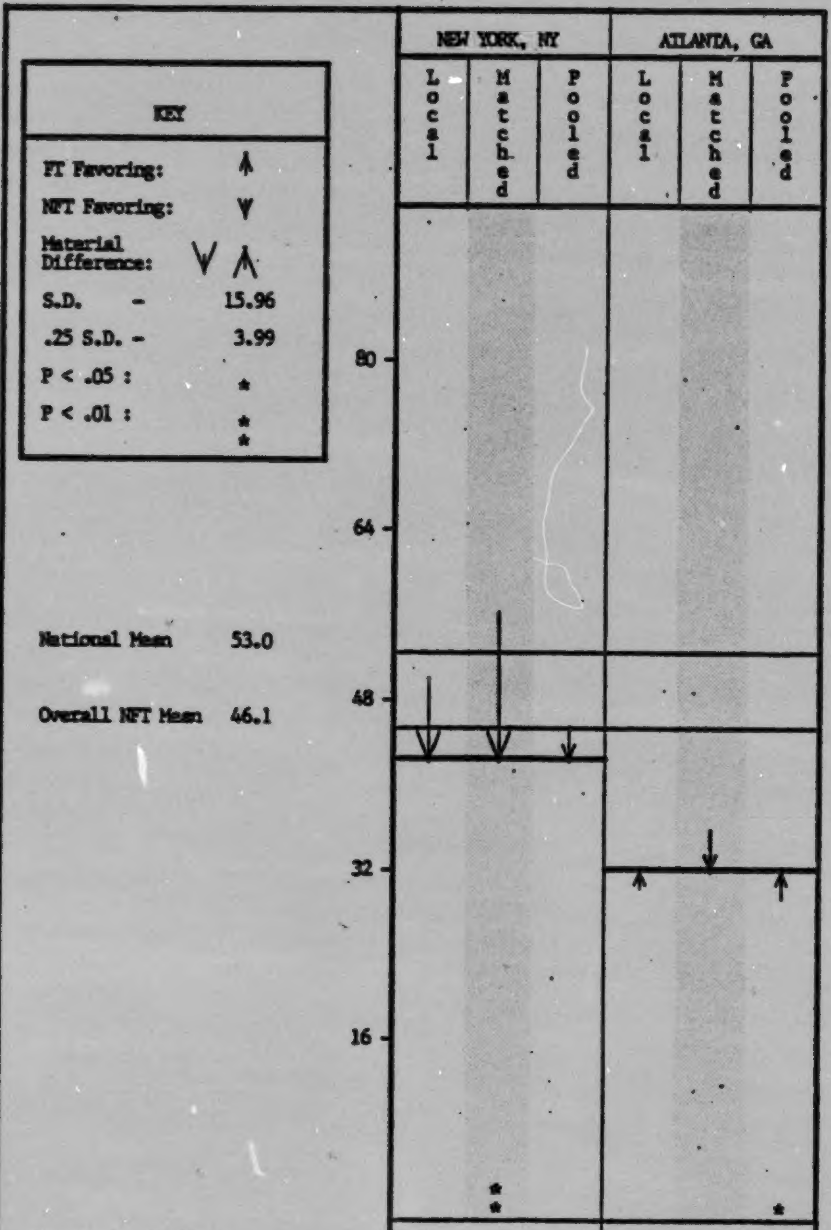
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE FOR COHORT III KINDERGARTEN SITES IN THE ILM MODEL



| | NEW YORK, NY | | | ATLANTA, GA | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.85 | -1.05 | -0.32 | -0.06 | -0.28 | 0.04 |
| Standard Error | 0.82 | 0.49 | 0.32 | 0.55 | 0.53 | 0.23 |
| FT Mean | 12.85 | | | 12.21 | | |
| No. of FT Children | 39 | | | 113 | | |
| Matched NFT Site | Newark, NJ | | | Louisville, KY | | |

## Table C12-IIIK-18

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL READING FOR COHORT III KINDERGARTEN SITES IN THE ILM MODEL



| | | | | | | |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -7.55 | -13.67 | -3.22 | 0.86 | -3.98 | 2.45 |
| Standard Error | 4.68 | 5.09 | 2.42 | 3.16 | 2.79 | 1.07 |
| FT Mean | 42.80 | | | 32.24 | | |
| No. of FT Children | 39 | | | 113 | | |
| Matched NFT Site | Newark, NJ | | | Louisville, KY | | |

## Table C12-IIIK-19

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL MATH FOR COHORT III KINDERGARTEN SITES IN THE ILM MODEL

**KEY**

FT Favoring: ↑

NFT Favoring: ↓

Material Difference: ↓ ↑

S.D. - 17.83

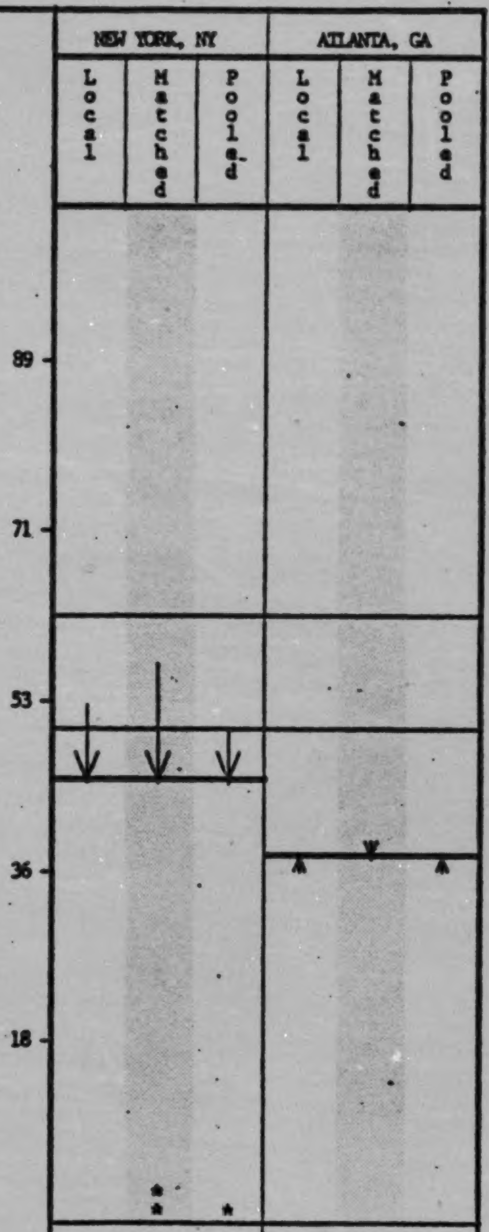
.25 S.D. - 4.46

P < .05 : *

P < .01 : **

National Mean 63.0

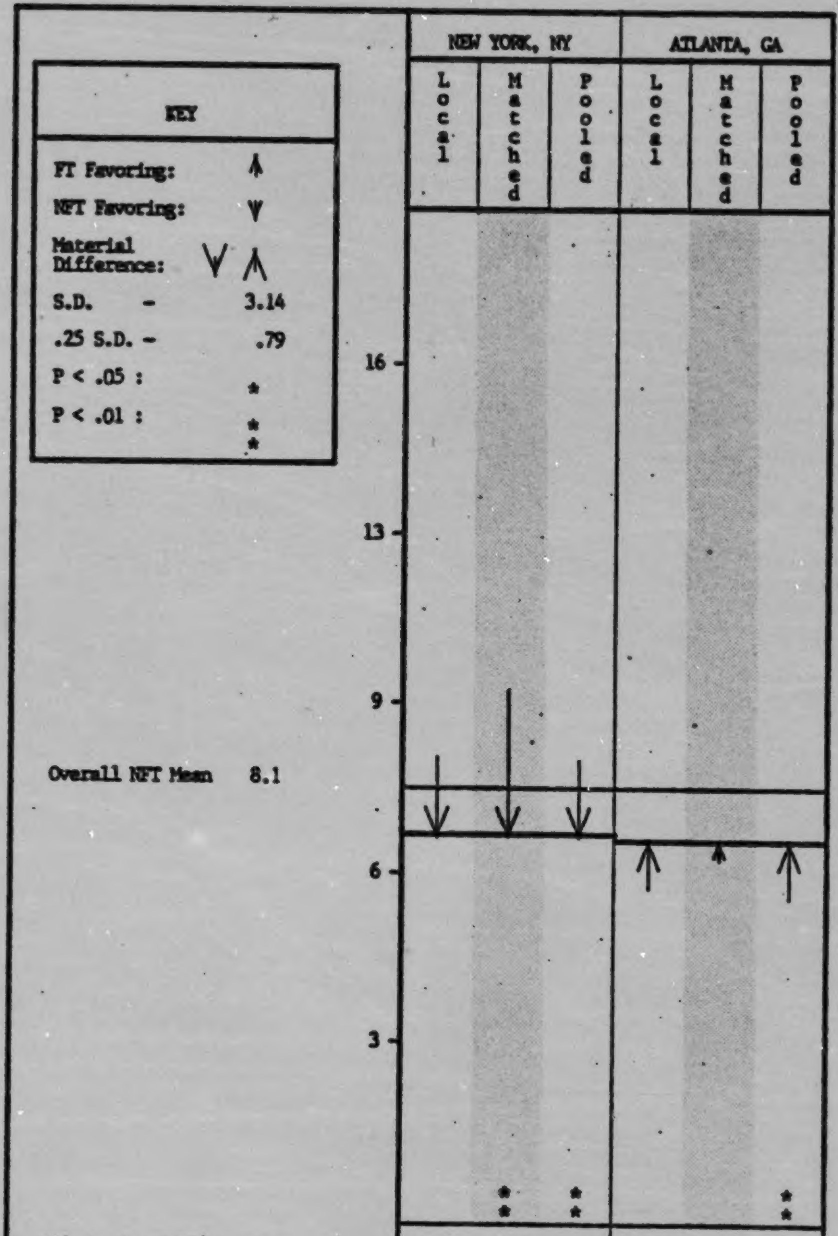
Overall NFT Mean 50.8



| | New York, NY Local | New York, NY Matched | New York, NY Pooled | Atlanta, GA Local | Atlanta, GA Matched | Atlanta, GA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -7.90 | -12.23 | -5.43 | 0.46 | -1.07 | 1.37 |
| Standard Error | 5.35 | 4.48 | 2.45 | 3.61 | 3.13 | 1.30 |
| FT Mean | 45.69 | | | 37.79 | | |
| No. of FT Children | 39 | | | 113 | | |
| Matched NFT Site | Newark, NJ | | | Louisville, KY | | |

Table C12-IIIK-20

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT III KINDERGARTEN SITES IN THE ILM MODEL



| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 3.14 |
| .25 S.D. - | .79 |
| P < .05 : | * |
| P < .01 : | ** |

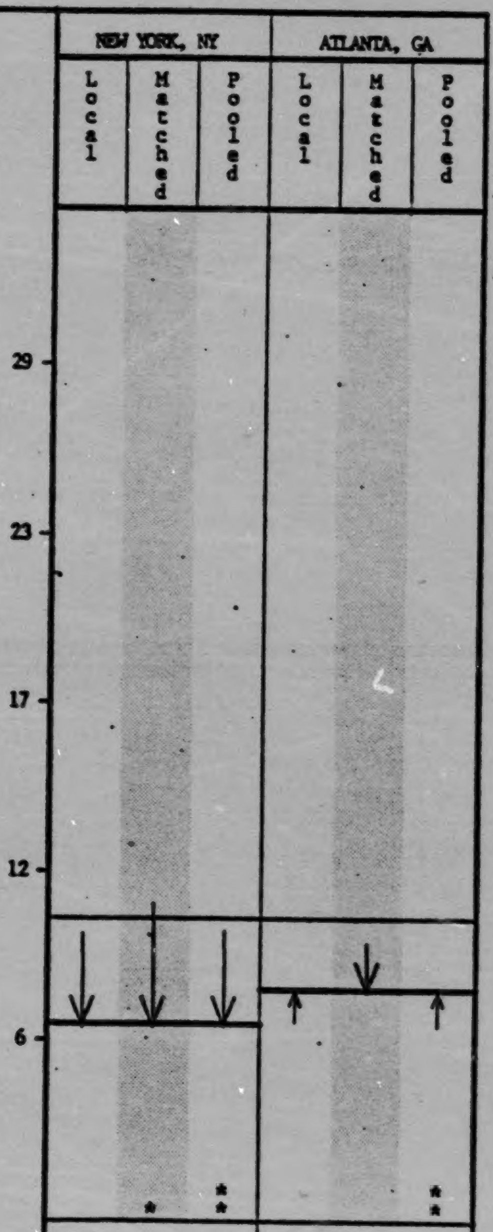
| | NEW YORK, NY Local | NEW YORK, NY Matched | NEW YORK, NY Pooled | ATLANTA, GA Local | ATLANTA, GA Matched | ATLANTA, GA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -1.48 | -2.70 | -1.42 | 0.84 | 0.03 | 1.04 |
| Standard Error | 1.04 | 0.89 | 0.46 | 0.70 | 0.67 | 0.27 |
| FT Mean | 7.08 | | | 6.95 | | |
| No. of FT Children | 39 | | | 113 | | |
| Matched NFT Site | Newark, NJ | | | Louisville, KY | | |

## Table C12-IIIK-21

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT III KINDERGARTEN SITES IN THE ILM MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. – | 5.82 |
| .25 S.D. – | 1.46 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 10.3



| | Local | Matched | Pooled | Local | Matched | Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -3.14 | -4.14 | -3.21 | 1.12 | -1.59 | 1.28 |
| Standard Error | 1.67 | 1.64 | 0.75 | 1.13 | 1.00 | 0.41 |
| FT Mean | 6.56 | | | 7.76 | | |
| No. of FT Children | 39 | | | 113 | | |
| Matched NFT Site | Newark, NJ | | | Louisville, KY | | |

## Table C12-IIIK-22

## STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN FOR THE IIM MODEL

| | | SPONSOR'S SITES | | | NEW YORK, NY | | | ATLANTA, GA | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | MAT NORM POPULATION | FT | NFT | Local Best Match | FT | NFT | Local Best Match | FT | NFT | Local Best Match |
| TOTAL READING | | | | | | | | | | |
| Third Grade Median | 61 | 52.6 | 53.6 | — | 55.7 | 58.8 | 63.8 | 49.6 | 48.4 | 49.1 |
| Median Percentile | 50 | 24.0 | 28.0 | 34.0 | 34.0 | 42.0 | 60.0 | 16.0 | 12.0 | 14.0 |
| Grade Equivalent | 3.5 | 2.7 | 2.8 | 3.0 | 3.0 | 3.3 | 3.8 | 2.4 | 2.3 | 2.4 |
| 1 Year or More Below Grade Level | 20 | 41.2 | 45.5 | — | 23.1 | 24.6 | 18.9 | 59.3 | 66.4 | 57.6 |
| TOTAL MATHEMATICS | | | | | | | | | | |
| Third Grade Median | 70.5 | 57.2 | 60.4 | — | 61.0 | 64.9 | 68.3 | 53.4 | 55.8 | 53.2 |
| Median Percentile | 50 | 12.0 | 18.0 | 20.0 | 20.0 | 32.0 | 40.0 | 8.0 | 11.0 | 8.0 |
| Grade Equivalent | 3.75 | 2.7 | 3.0 | 3.0 | 3.0 | 3.3 | 3.5 | 2.4 | 2.6 | 2.4 |
| 1 Year or More Below Grade Level | 12 | 51.1 | 42.0 | — | 38.5 | 28.0 | 24.3 | 63.7 | 56.0 | 63.2 |
| SPELLING | | | | | | | | | | |
| Third Grade Median | 64 | 58.2 | 60.2 | — | 58.8 | 66.8 | 74.8 | 57.6 | 53.5 | 54.8 |
| Median Percentile | 50 | 32.0 | 38.0 | 54.0 | 36.0 | 60.0 | 82.0 | 32.0 | 22.0 | 23.0 |
| Grade Equivalent | 3.6 | 2.9 | 3.1 | 3.7 | 3.0 | 4.1 | 5.0 | 2.9 | 2.6 | 2.7 |
| 1 Year or More Below Grade Level | 22 | 38.8 | 35.9 | — | 35.9 | 20.3 | 18.9 | 41.6 | 51.5 | 49.1 |
| LANGUAGE | | | | | | | | | | |
| Third Grade Median | 70 | 55.2 | 56.6 | — | 55.0 | 59.3 | 62.7 | 55.4 | 53.9 | 56.0 |
| Median Percentile | 50 | 14.0 | 20.0 | 23.0 | 14.0 | 23.0 | 32.0 | 14.0 | 12.0 | 18.0 |
| Grade Equivalent | 4.0 | 2.5 | 2.7 | 2.9 | 2.5 | 2.9 | 3.2 | 2.5 | 2.4 | 2.6 |
| 1 Year or More Below Grade Level | 14 | 70.0 | 70.0 | — | 71.8 | 58.0 | 43.2 | 68.1 | 82.1 | 77.4 |
| BEST MATCHED SITE | | | | | Newark, NJ | | | Louisville, KY | | |

### Table C12-IIIK(PS)-22

### STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN WITH HEADSTART FOR THE ILM MODEL

| | MAT NORM POPU-LATION | SPONSOR'S SITES | | NEW YORK, NY | | ATLANTA, GA | |
|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT |
| **TOTAL READING** | | | | | | | |
| Third Grade Median | 61 | 52.6 | 54.0 | 55.2 | 59.3 | 50.0 | 48.7 |
| Median Percentile | 50 | 23 | 28 | 30 | 42 | 16 | 14 |
| Grade Equivalent | 3.5 | 2.6 | 2.8 | 2.9 | 3.3 | 2.4 | 2.4 |
| % 1 Year or More Below Grade Level | 20 | 42 | 46 | 25 | 26 | 58 | 67 |
| **TOTAL MATHEMATICS** | | | | | | | |
| Third Grade Median | 70.5 | 57.6 | 60.1 | 61.5 | 64.1 | 53.8 | 56.1 |
| Median Percentile | 50 | 16 | 20 | 23 | 28 | 9 | 11 |
| Grade Equivalent | 3.75 | 2.8 | 2.9 | 3.1 | 3.2 | 2.4 | 2.6 |
| % 1 Year or More Below Grade Level | 12 | 48 | 43 | 36 | 29 | 61 | 57 |
| **SPELLING** | | | | | | | |
| Third Grade Median | 64 | 58.4 | 60.7 | 58.8 | 66.4 | 58.1 | 55.0 |
| Median Percentile | 50 | 34 | 40 | 36 | 58 | 32 | 23 |
| Grade Equivalent | 3.6 | 3.0 | 3.3 | 3.0 | 3.9 | 3.0 | 2.7 |
| % 1 Year or More Below Grade Level | 22 | 40 | 36 | 39 | 24 | 41 | 48 |
| **LANGUAGE** | | | | | | | |
| Third Grade Median | 70 | 55.6 | 57.2 | 55.5 | 59.7 | 55.7 | 54.6 |
| Median Percentile | 50 | 18 | 20 | 18 | 26 | 18 | 14 |
| Grade Equivalent | 4.0 | 2.6 | 2.8 | 2.6 | 3.0 | 2.6 | 2.5 |
| % 1 Year or More Below Grade Level | 14 | 70 | 72 | 72 | 57 | 67 | 86 |

## Table C12-IIIK-23

### MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES USED IN THE ANALYTIC SAMPLE OF THE COHORT III KINDERGARTEN CHILDREN FOR THE IIM MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | | ATLANTA, GA | | |
|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | | | | |
| Mean | 29.0 | 26.4 | — | 35.8 | 31.1 | 30.0 | 22.2 | 21.8 | 17.8 |
| Standard Deviation | — | — | — | 9.2 | 12.4 | 13.6 | 9.3 | 10.3 | 9.0 |
| HIGHEST OCCUPATION IN HOUSE | | | | | | | | | |
| Mean | 13.8 | 13.6 | — | 14.4 | 14.0 | 14.4 | 13.2 | 13.3 | 13.6 |
| Standard Deviation | — | — | — | 2.0 | 2.0 | 1.9 | 1.4 | 1.6 | 1.9 |
| FAMILY INCOME IN DOLLARS | | | | | | | | | |
| Mean | 4305 | 5064 | — | 4469 | 6090 | 5241 | 4141 | 4039 | 4743 |
| Standard Deviation | — | — | — | 2166 | 2255 | 2618 | 2508 | 2294 | 3052 |
| MISSING INCOME INFORMATION | | | | | | | | | |
| No. Missing | — | — | — | 13 | 168 | 10 | 79 | 98 | 50 |
| Valid Cases | — | — | — | 26 | 3[illegible] | 27 | 34 | 36 | 56 |
| ETHNIC MEMBERSHIP/RACE | | | | | | | | | |
| Percent White | 4 | 4 | — | 0 | 2 | 0 | 8 | 7 | 2 |
| Percent Black | 96 | 87 | — | 100 | 81 | 97 | 92 | 93 | 98 |
| SEX Percent Female | 55 | 52 | — | 56 | 48 | 51 | 54 | 55 | 49 |
| ENTRY AGE IN MONTHS | | | | | | | | | |
| Mean | 62.9 | 63.3 | — | 62.5 | 63.4 | 62.7 | 63.3 | 63.3 | 62.9 |
| Standard Deviation | — | — | — | 3.4 | 3.5 | 4.2 | 3.4 | 3.5 | 3.9 |
| FIRST LANGUAGE | | | | | | | | | |
| Percent English | 100 | 93 | — | 100 | 85 | 97 | 100 | 100 | 100 |
| BEST MATCHED SITE | | | | Newark, NJ | | | Louisville, KY | | |

## Table C12-IIIK-24

## MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES FOR THE COHORT III KINDERGARTEN CHILDREN IN THE ILM MODEL

| | ALL SITES | | SPONSOR'S SITES | | | NEW YORK, NY | | | ATLANTA, GA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | |
| Mean | 41.25 | 46.14 | 37.52 | 39.15 | — | 42.79 | 47.54 | 54.92 | 32.24 | 30.77 | 33.60 |
| Standard Deviation | | | — | — | — | 14.84 | 17.01 | 19.69 | 13.14 | 12.99 | 14.14 |
| TOTAL MATHEMATICS | | | | | | | | | | | |
| Mean | 47.77 | 50.84 | 41.74 | 43.89 | — | 45.69 | 51.13 | 55.32 | 37.79 | 36.66 | 35.66 |
| Standard Deviation | | | — | — | — | 15.39 | 19.80 | 18.59 | 16.01 | 12.98 | 15.10 |
| LANGUAGE | | | | | | | | | | | |
| Mean | 16.60 | 18.44 | 14.17 | 14.71 | — | 13.64 | 16.93 | 19.81 | 14.71 | 12.49 | 15.06 |
| Standard Deviation | | | — | — | — | 6.06 | 7.68 | 9.19 | 6.64 | 5.62 | 6.73 |
| SPELLING | | | | | | | | | | | |
| Mean | 17.64 | 20.63 | 16.95 | 18.85 | — | 18.90 | 24.46 | 27.81 | 15.00 | 13.23 | 13.20 |
| Standard Deviation | | | — | — | — | 11.54 | 12.06 | 13.44 | 11.47 | 12.03 | 12.46 |
| RAVEN'S PROGRESSIVE MAT. | | | | | | | | | | | |
| Mean | 18.15 | 18.95 | 16.71 | 16.80 | — | 17.46 | 17.53 | 17.95 | 15.96 | 16.07 | 16.97 |
| Standard Deviation | | | — | — | — | 4.13 | 4.88 | 4.42 | 5.01 | 4.43 | 4.02 |
| COOPERSMITH'S SELF-EST. | | | | | | | | | | | |
| Mean | 35.64 | 36.59 | 34.28 | 36.00 | — | 35.69 | 37.24 | 38.27 | 32.88 | 34.75 | 35.95 |
| Standard Deviation | | | — | — | — | 7.96 | 7.11 | 5.33 | 5.92 | 6.73 | 8.03 |
| IARS-LOCUS NEGATIVE | | | | | | | | | | | |
| Mean | 9.91 | 10.11 | 9.59 | 10.25 | — | 10.18 | 11.20 | 10.27 | 8.99 | 9.30 | 8.85 |
| Standard Deviation | | | — | — | — | 2.64 | 2.45 | 2.31 | 2.59 | 2.53 | 2.71 |
| IARS-LOCUS POSITIVE | | | | | | | | | | | |
| Mean | 12.83 | 13.07 | 12.53 | 12.91 | — | 12.85 | 13.57 | 13.92 | 12.21 | 12.24 | 12.32 |
| Standard Deviation | | | — | — | — | 1.73 | 2.12 | 1.57 | 2.42 | 2.58 | 2.30 |
| WORD KNOWLEDGE | | | | | | | | | | | |
| Mean | 23.30 | 26.29 | 21.64 | 21.77 | — | 25.90 | 26.98 | 33.89 | 17.38 | 16.56 | 18.73 |
| Standard Deviation | | | — | — | — | 9.19 | 10.20 | 12.69 | 9.02 | 8.37 | 9.32 |
| READING | | | | | | | | | | | |
| Mean | 17.95 | 19.85 | 15.88 | 17.39 | — | 16.90 | 20.57 | 21.03 | 14.86 | 14.21 | 14.88 |
| Standard Deviation | | | — | — | — | 6.77 | 7.62 | 8.22 | 5.23 | 5.73 | 5.67 |
| MATH COMPUTATIONS | | | | | | | | | | | |
| Mean | 18.16 | 18.55 | 15.69 | 16.18 | — | 17.28 | 19.35 | 22.57 | 14.09 | 13.01 | 12.97 |
| Standard Deviation | | | — | — | — | 7.24 | 7.85 | 8.09 | 6.23 | 5.23 | 5.43 |
| MATH CONCEPTS | | | | | | | | | | | |
| Mean | 16.41 | 18.04 | 14.50 | 15.16 | — | 16.21 | 17.52 | 19.05 | 12.80 | 12.80 | 12.32 |
| Standard Deviation | | | — | — | — | 5.87 | 7.21 | 6.52 | 6.10 | 5.54 | 6.45 |
| MATH PROBLEM SOLVING | | | | | | | | | | | |
| Mean | 13.20 | 14.25 | 11.55 | 12.55 | — | 12.21 | 14.25 | 13.70 | 10.90 | 10.85 | 10.37 |
| Standard Deviation | | | — | — | — | 4.50 | 6.70 | 5.92 | 5.24 | 4.68 | 5.09 |
| LANGUAGE PART A | | | | | | | | | | | |
| Mean | 7.59 | 8.13 | 7.01 | 7.09 | — | 7.08 | 8.16 | 9.43 | 6.95 | 6.02 | 6.51 |
| Standard Deviation | | | — | — | — | 3.24 | 3.24 | 3.22 | 3.04 | 2.99 | 3.25 |
| LANGUAGE PART B | | | | | | | | | | | |
| Mean | 9.01 | 10.31 | 7.16 | 7.62 | — | 6.56 | 8.77 | 10.38 | 7.76 | 6.46 | 8.55 |
| Standard Deviation | | | — | — | — | 3.93 | 5.85 | 7.32 | 4.65 | 3.91 | 4.63 |
| BEST MATCH SITE | | | | | | Newark, NJ | | | Louisville, KY | | |

## Table C12-IIIK-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K LOCAL ANALYSES FOR THE ILM MODEL

### CODE

FKW = Fall Kindergarten WRAT
NOFKW = Missing WRAT
INCOME = Income
ETH1 = White vs. Black
NOINC = Missing Income
OCCUP = Occupation
SEX = Sex
ENTAGE = Entry Age
ETH2 = White vs. Other
LANG = Language
NOOCCUP = Missing Occupation

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .68733191 | .10466343 |
| NOFKW | 6.7488340 | 11.249983 |
| INCOME | .22139834E-03 | .45920781E-03 |
| ETH1 | 4.5449624 | 3.2083737 |
| NOINC | -3.4907926 | 7.4755374 |
| OCCUP | .14227260 | .62502165 |
| SEX | -1.8247276 | 2.2779327 |
| ENTAGE | -.26803040 | .32932256 |
| ETH2 | -1.6425629 | 5.1816654 |
| LANG | 3.6537625 | 8.0907102 |
| NOOCCUP | 2.4044149 | 7.2672300 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .71078907 | .11963883 |
| NOFKW | 7.4697342 | 12.859647 |
| INCOME | .15418647E-03 | .52491194E-03 |
| ETH1 | 8.5165117 | 3.6674325 |
| NOINC | -5.1055581 | 8.5451483 |
| OCCUP | .12854881 | .71445067 |
| SEX | -.93293335 | 2.6038627 |
| ENTAGE | -.96406468E-01 | .37644252 |
| ETH2 | -7.4680292 | 5.9230657 |
| LANG | 13.406804 | 9.2483409 |
| NOOCCUP | 4.1543515 | 8.3070360 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .43723677 | .88120906E-01 |
| NOFKW | 3.5849694 | 9.4718727 |
| INCOME | .16188929E-03 | .38662797E-03 |
| ETH1 | 2.4513615 | 2.7012759 |
| NOINC | -2.0565063 | 6.2939954 |
| OCCUP | -.12067238 | .52623419 |
| SEX | .91309816 | 1.9178953 |
| ENTAGE | -.11019184 | .27727166 |
| ETH2 | -.61316243 | 4.3626801 |
| LANG | 1.1489342 | 6.8119373 |
| NOOCCUP | 1.8252720 | 6.1186119 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .27160953 | .49064962E-01 |
| NOFKW | -.65259810 | 5.2738571 |
| INCOME | .36006438E-04 | .21527112E-03 |
| ETH1 | 2.7448918 | 1.5040471 |
| NOINC | -2.2030372 | 3.5044424 |
| OCCUP | .66150728E-01 | .29300267 |
| SEX | -.58959927 | 1.0678676 |
| ENTAGE | -.56203726E-01 | .15438247 |
| ETH2 | -1.7100318 | 2.4291027 |
| LANG | 4.4117623 | 3.7928280 |
| NOOCCUP | 1.4022221 | 3.4067904 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .16045314 | .34223436E-01 |
| NOFKW | -2.2762337 | 3.6785826 |
| INCOME | .70381551E-04 | .15015435E-03 |
| ETH1 | 2.4800051 | 1.0490920 |
| NOINC | 1.1130298 | 2.4443932 |
| OCCUP | .72756285E-01 | .20437309 |
| SEX | -.95985841 | .74485125 |
| ENTAGE | -.28217265E-02 | .10768374 |
| ETH2 | -3.0399225 | 1.6943301 |
| LANG | 1.4525907 | 2.6455459 |
| NOOCCUP | -1.5209041 | 2.3762797 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .12441124 | .54367746E-01 |
| NOFKW | -3.2922605 | 5.8438387 |
| INCOME | .58337008E-04 | .23853694E-03 |
| ETH1 | -.23681852 | 1.6665997 |
| NOINC | -1.4607911 | 3.8831913 |
| OCCUP | -.32237820E-01 | .32466946 |
| SEX | .41598853 | 1.1832793 |
| ENTAGE | .57532860E-01 | .17106764 |
| ETH2 | -.62459937 | 2.6916323 |
| LANG | -.15730690 | 4.2027447 |
| NOOCCUP | .84605659 | 3.7749854 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .39946719E-01 | .18265219E-01 |
| NOFKW | -.53129240 | 1.9632779 |
| INCOME | .27847620E-04 | .80138127E-04 |
| ETH1 | .69452713 | .55990566 |
| NOINC | .99435691E-02 | 1.3045849 |
| OCCUP | -.12428621E-02 | .10907494 |
| SEX | .25028133 | .39753083 |
| ENTAGE | -.74038934E-02 | .57471350E-01 |
| ETH2 | -.66926658 | .90427242 |
| LANG | .83706291 | 1.4119410 |
| NOOCCUP | -.15666402 | 1.2682323 |

## Table C12-IIIK-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .18068211E-01 | .20469399E-01 |
| NOFKW | -.46392881 | 2.2001992 |
| INCOME | .99314932E-06 | .89808907E-04 |
| ETH1 | .64333669E-01 | .62747306 |
| NOINC | .26159931 | 1.4620175 |
| OCCUP | -.26789721E-01 | .12223771 |
| SEX | -.11252774 | .44550341 |
| ENTAGE | .15740516E-01 | .64406786E-01 |
| ETH2 | -.31713395 | 1.0133967 |
| LANG | .24148412 | 1.5823290 |
| NOOCCUP | .14981016 | 1.4212780 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .42959412 | .65945465E-01 |
| NOFKW | 5.8615638 | 7.0882958 |
| INCOME | .15379581E-03 | .28933385E-03 |
| ETH1 | 1.9386669 | 2.0215055 |
| NOINC | -1.5189856 | 4.7101246 |
| OCCUP | .54374440E-01 | .39380846 |
| SEX | -1.1193682 | 1.4352610 |
| ENTAGE | -.20760743 | .20749683 |
| ETH2 | .38089338 | 3.2648208 |
| LANG | .82965265E-01 | 5.0977276 |
| NOOCCUP | 1.3884706 | 4.5788760 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .25773779 | .47621780E-01 |
| NOFKW | .88727023 | 5.1187335 |
| INCOME | .67602526E-04 | .20893920E-03 |
| ETH1 | 2.6062955 | 1.4598076 |
| NOINC | -1.9718071 | 3.4013638 |
| OCCUP | .87898160E-01 | .28438438 |
| SEX | -.70535944 | 1.0364577 |
| ENTAGE | -.60422967E-01 | .14984151 |
| ETH2 | -2.0234562 | 2.3576538 |
| LANG | 3.5707972 | 3.6812670 |
| NOOCCUP | 1.0159444 | 3.3065841 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .27158822 | .45639035E-01 |
| NOFKW | 2.1150814 | 4.9056137 |
| INCOME | .45878487E-04 | .20023997E-03 |
| ETH1 | 2.7601697 | 1.3990281 |
| NOINC | -.66851967 | 3.2597471 |
| OCCUP | .58953296E-01 | .27254396 |
| SEX | -.77845261 | .99330447 |
| ENTAGE | -.34742260E-01 | .14360282 |
| ETH2 | -2.0740286 | 2.2594923 |
| LANG | 4.9193279 | 3.5279964 |
| NOOCCUP | .29667985 | 3.1689136 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .23997542 | .50215438E-01 |
| NOFKW | 1.2072945 | 5.3975186 |
| INCOME | .64191105E-04 | .22031880E-03 |
| ETH1 | 2.8523073 | 1.5393141 |
| NOINC | -2.3305503 | 3.5866146 |
| OCCUP | .21490833E-01 | .29987300 |
| SEX | .48761254 | 1.0929070 |
| ENTAGE | -.61742296E-01 | .15800244 |
| ETH2 | -3.0036624 | 2.4860603 |
| LANG | 4.6374911 | 3.8817623 |
| NOOCCUP | 1.4859396 | 3.4866729 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .19922543 | .41790960E-01 |
| NOFKW | 4.1473583 | 4.4919948 |
| INCOME | .44116877E-04 | .18335665E-03 |
| ETH1 | 2.8950348 | 1.2810684 |
| NOINC | -2.1064881 | 2.9849002 |
| OCCUP | .48104684E-01 | .24956430 |
| SEX | -.64209328 | .90955358 |
| ENTAGE | .78087756E-04 | .13149489 |
| ETH2 | -2.3903383 | 2.0689822 |
| LANG | 3.8499849 | 3.2305319 |
| NOOCCUP | 2.3717328 | 2.9017253 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .11044742 | .23201092E-01 |
| NOFKW | -.39592274 | 2.4938212 |
| INCOME | .19861946E-04 | .10179413E-03 |
| ETH1 | .83433744 | .71121090 |
| NOINC | -1.5132559 | 1.6571273 |
| OCCUP | -.22048096E-01 | .13855064 |
| SEX | .13128760 | .50495696 |
| ENTAGE | -.15391357E-01 | .73002032E-01 |
| ETH2 | -1.0364729 | 1.1486371 |
| LANG | 1.8261468 | 1.7934947 |
| NOOCCUP | 1.5280369 | 1.6109512 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .16116212 | .37304750E-01 |
| NOFKW | -.25667535 | 4.0097845 |
| INCOME | .16144491E-04 | .16367353E-03 |
| ETH1 | 1.9105544 | 1.1435473 |
| NOINC | -.68978133 | 2.0644747 |
| OCCUP | .68198824E-01 | .22277386 |
| SEX | -.72088688 | .81191408 |
| ENTAGE | -.40812369E-01 | .11737907 |
| ETH2 | -.67355683 | 1.8468794 |
| LANG | 2.5856155 | 2.8837381 |
| NOOCCUP | -.12581475 | 2.5902285 |

## Table C12-IIIK(PS)-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K PRESCHOOL ADJUSTED LOCAL ANALYSES FOR THE ILM MODEL

### CODE

SEX = Sex
ENTAGE = Entry Age
INCOME = Income
NOINC = Missing Income
OCCUP = Occupation
NOOCCUP = Missing Occupation
ETH1 = White vs. Black
ETH2 = White vs. Other
LANG = First Language
PSSOME = Some Preschool
PSHS = Head Start
FKW = Fall Kindergarten WRAT
FKWSOME = FKW x Some Preschool
FKWHS = FKW x Head Start

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.2982013 | 2.2674376 |
| ENTAGE | -.17769519 | .31728549 |
| INCOME | .25709787E-03 | .45202443E-03 |
| NOINC | -3.1238174 | 6.2431849 |
| OCCUP | .17065673 | .61413649 |
| NOOCCUP | 1.4649012 | 6.0947693 |
| ETH1 | 5.7542144 | 3.9383801 |
| ETH2 | -3.0545234 | 6.1494665 |
| LANG | 4.2699367 | 9.4113051 |
| PSSOME | .85587718 | 6.6012690 |
| PSHS | -6.3725686 | 7.8964075 |
| FKW | .78628239 | .10047730 |
| FKWSOME | -.74696743E-01 | .22065209 |
| FKWHS | .60475698E-01 | .25549408 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.12034290 | 2.6011636 |
| ENTAGE | .38762338E-01 | .36396420 |
| INCOME | .13472743E-03 | .51855429E-03 |
| NOINC | -4.6234738 | 7.1620693 |
| OCCUP | .22041545 | .70452632 |
| NOOCCUP | 3.0383256 | 6.9918097 |
| ETH1 | 12.453195 | 4.5180387 |
| ETH2 | -11.924437 | 7.0545573 |
| LANG | 18.269690 | 10.796480 |
| PSSOME | 1.2434582 | 7.5728570 |
| PSHS | -5.8914018 | 9.0586165 |
| FKW | .73790452 | .18409667 |
| FKWSOME | -.11098970 | .25312811 |
| FKWHS | .34817098E-01 | .29309821 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .29761604 | 1.9410606 |
| ENTAGE | -.51783681E-01 | .27161512 |
| INCOME | .20539719E-03 | .38695962E-03 |
| NOINC | -1.4806058 | 5.3445352 |
| OCCUP | -.16485561 | .52573713 |
| NOOCCUP | .90316641 | 5.2174827 |
| ETH1 | 3.5322606 | 3.3714861 |
| ETH2 | -2.3095925 | 5.2643067 |
| LANG | 1.7218850 | 8.0566333 |
| PSSOME | 3.7517692 | 5.0510763 |
| PSHS | -4.6355441 | 6.7597914 |
| FKW | .57396954 | .13737806 |
| FKWSOME | -.17262583 | .18889123 |
| FKWHS | .27498156E-01 | .21871803 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.25532233 | 1.0714137 |
| ENTAGE | .43269489E-01 | .14992431 |
| INCOME | .33667668E-05 | .21359140E-03 |
| NOINC | -1.7877942 | 2.9500411 |
| OCCUP | .99139153E-01 | .29019289 |
| NOOCCUP | 1.2570643 | 2.6799115 |
| ETH1 | 4.9235617 | 1.8609705 |
| ETH2 | -4.3958885 | 2.9057571 |
| LANG | 7.4980091 | 4.4470470 |
| PSSOME | .46189060 | 3.1192436 |
| PSHS | -.83680157 | 3.7312248 |
| FKW | .29795935 | .75829027E-01 |
| FKWSOME | -.41275751E-01 | .10426293 |
| FKWHS | .40529370E-01 | .12072653 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.90054443 | .76386386 |
| ENTAGE | -.21607637E-02 | .10688846 |
| INCOME | .85135294E-04 | .15227988E-03 |
| NOINC | 1.3084761 | 2.1032302 |
| OCCUP | .13055857 | .20689287 |
| NOOCCUP | -1.3293906 | 2.0532314 |
| ETH1 | 2.7173576 | 1.3267779 |
| ETH2 | -3.4186157 | 2.0716580 |
| LANG | 2.0020396 | 3.1705198 |
| PSSOME | 1.8640260 | 2.2238631 |
| PSHS | -.49650317 | 2.6601747 |
| FKW | .17135681 | .54062265E-01 |
| FKWSOME | -.53705075E-01 | .74334198E-01 |
| FKWHS | .29974536E-01 | .86071914E-01 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .89127344 | 1.2011221 |
| ENTAGE | .13462968E-01 | .16807457 |
| INCOME | .71188638E-04 | .23944937E-03 |
| NOINC | -1.2595439 | 3.3071812 |
| OCCUP | -.16128457E-01 | .32532444 |
| NOOCCUP | 1.1032531 | 3.2285615 |
| ETH1 | -.51044577 | 2.0862648 |
| ETH2 | -1.4319339 | 3.2575361 |
| LANG | -.13674323 | 4.9854188 |
| PSSOME | 1.3869304 | 3.4968679 |
| PSHS | -.48728151 | 4.1829372 |
| FKW | .18081308 | .85009099E-01 |
| FKWSOME | -.54013553E-01 | .11688529 |
| FKWHS | -.64409677E-02 | .13534202 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .13916153 | .39599111 |
| ENTAGE | .20616601E-01 | .55411549E-01 |
| INCOME | .32578836E-04 | .78942783E-04 |
| NOINC | -.15008981 | 1.0903258 |
| OCCUP | -.17257010E-01 | .10725437 |
| NOOCCUP | -.11052430E-01 | 1.0644061 |
| ETH1 | .92834651 | .68780878 |
| ETH2 | -.18501168 | 1.0739586 |
| LANG | .98408501 | 1.6436144 |
| PSSOME | -.83842809E-03 | 1.1528625 |
| PSHS | .83878728 | 1.3790488 |
| FKW | .41251666E-01 | .28026167E-01 |
| FKWSOME | .11115777E-01 | .38535246E-01 |
| FKWHS | -.31796608E-01 | .44620141E-01 |

## Table C12-IIIK(PS)-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .13030968 | .46155110 |
| ENTAGE | .25540977E-01 | .64585444E-01 |
| INCOME | .17378310E-05 | .92012398E-04 |
| NOINC | .27201042 | 1.2708393 |
| OCCUP | -.31994457E-01 | .12501132 |
| NOOCCUP | .30501604 | 1.2406284 |
| ETH1 | .40629395 | .80168189 |
| ETH2 | -.39127253 | 1.2517624 |
| LANG | .95375411 | 1.9157300 |
| PSSOME | -.47091081 | 1.3437296 |
| PSHS | -.66642629 | 1.6073631 |
| FKW | -.85430175E-02 | .32666158E-01 |
| FKWSOME | .28841753E-01 | .44915113E-01 |
| FKWHS | .28696411E-01 | .52007418E-01 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.68762651E-01 | 1.0266122 |
| ENTAGE | -.17358261E-01 | .14365518 |
| INCOME | .83709888E-04 | .20466001E-03 |
| NOINC | -1.9856753 | 2.8266841 |
| OCCUP | .10959915 | .27805837 |
| NOOCCUP | .53914676 | 2.7594870 |
| ETH1 | 2.7610040 | 1.7831534 |
| ETH2 | -1.5197581 | 2.7842519 |
| LANG | 2.4978120 | 4.2610922 |
| PSSOME | .10752679 | 2.9888114 |
| PSHS | -3.6006411 | 3.5752023 |
| FKW | .27054732 | .72658210E-01 |
| FKWSOME | -.14725128E-01 | .99903137E-01 |
| FKWHS | .51700462E-01 | .11567831 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .77158365 | 1.1320274 |
| ENTAGE | -.42879523E-01 | .15840537 |
| INCOME | .51846491E-04 | .22567403E-03 |
| NOINC | -2.0043088 | 3.1169216 |
| OCCUP | .41944269E-01 | .30660878 |
| NOOCCUP | 1.0859224 | 3.0428249 |
| ETH1 | 4.4104339 | 1.9662435 |
| ETH2 | -4.6459977 | 3.0701325 |
| LANG | 5.6797749 | 4.6986115 |
| PSSOME | 1.3148104 | 3.2956958 |
| PSHS | -3.5581982 | 3.9422960 |
| FKW | .22720194 | .80118501E-01 |
| FKWSOME | -.36222687E-01 | .11016096 |
| FKWHS | .81607944E-01 | .12755589 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .22589527 | .52806082 |
| ENTAGE | -.12214023E-01 | .73892236E-01 |
| INCOME | .27861372E-04 | .10527143E-03 |
| NOINC | -1.5155118 | 1.4539678 |
| OCCUP | -.29087420E-01 | .14302551 |
| NOOCCUP | 1.3702797 | 1.4194035 |
| ETH1 | 1.0248245 | .91720461 |
| ETH2 | -1.1351313 | 1.4321419 |
| LANG | 2.3891438 | 2.1917875 |
| PSSOME | -.53730296 | 1.5373616 |
| PSHS | -1.4661241 | 1.8389849 |
| FKW | .12187305 | .37373367E-01 |
| FKWSOME | .61377897E-02 | .51387401E-01 |
| FKWHS | .26807068E-01 | .59501710E-01 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.2294392 | 1.4414746 |
| ENTAGE | -.16033693 | .20170741 |
| INCOME | .17338799E-03 | .28736479E-03 |
| NOINC | -1.1381420 | 3.9689703 |
| OCCUP | .61057575E-01 | .39042404 |
| NOOCCUP | .92575243 | 3.0746183 |
| ETH1 | 2.9932104 | 2.5037403 |
| ETH2 | -2.3347653 | 3.9093908 |
| LANG | 1.7721247 | 5.9830344 |
| PSSOME | .74833040 | 4.1966145 |
| PSHS | -2.7719475 | 5.0199709 |
| FKW | .51573507 | .10201999 |
| FKWSOME | -.59971615E-01 | .14027481 |
| FKWHS | .16775236E-01 | .16242486 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.43479857 | 1.0025746 |
| ENTAGE | .18074371E-01 | .14029156 |
| INCOME | .43370705E-04 | .19986800E-03 |
| NOINC | -.70828611 | 2.7604987 |
| OCCUP | .93238734E-01 | .27154778 |
| NOOCCUP | -.11677556 | 2.6948750 |
| ETH1 | 3.8024736 | 1.7414018 |
| ETH2 | -3.2972671 | 2.7190600 |
| LANG | 7.0602966 | 4.1613209 |
| PSSOME | -.17650676 | 2.9188299 |
| PSHS | -2.2395360 | 3.4914908 |
| FKW | .29441604 | .70956955E-01 |
| FKWSOME | -.34931238E-01 | .97563956E-01 |
| FKWHS | .80069567E-02 | .11296976 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.45712798 | .89036880 |
| ENTAGE | .63567489E-01 | .12459046 |
| INCOME | .39510230E-04 | .17749924E-03 |
| NOINC | -1.9108789 | 2.4515501 |
| OCCUP | .85232443E-01 | .24115679 |
| NOOCCUP | 2.0691788 | 2.3932709 |
| ETH1 | 4.2402877 | 1.5465081 |
| ETH2 | -3.9811721 | 2.4147492 |
| LANG | 5.5296180 | 3.6955956 |
| PSSOME | .10515456 | 2.5921613 |
| PSHS | -.93667576E-01 | 3.1007313 |
| FKW | .21628655 | .63015619E-01 |
| FKWSOME | -.39835772E-01 | .86644876E-01 |
| FKWHS | -.54797802E-01 | .10032645 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.48121760 | .80037933 |
| ENTAGE | .55483512E-01 | .11199812 |
| INCOME | -.24494605E-04 | .15955941E-03 |
| NOINC | -.27228245 | 2.2037723 |
| OCCUP | .12822657 | .21678310 |
| NOOCCUP | -.16319535 | 2.1513833 |
| ETH1 | 3.8987372 | 1.3902028 |
| ETH2 | -3.2607571 | 2.1706908 |
| LANG | 5.1088654 | 3.3220822 |
| PSSOME | .99919356 | 2.3301718 |
| PSHS | .65932252 | 2.7873408 |
| FKW | .17638630 | .56646638E-01 |
| FKWSOME | -.47413541E-01 | .77887644E-01 |
| FKWHS | .13721702E-01 | .90186465E-01 |

### Table C12-IIIK(PS)-26

### TREATMENT REGRESSION COEFFICIENTS AND STANDARD ERRORS BY OUTCOME FOR HEAD START STUDIES OF COHORT III-K SITES IN THE ILM MODEL

| | New York, NY | | Atlanta, GA | |
|---|---|---|---|---|
| | Pooled | Local | Pooled | Local |
| **Word Knowledge** | | | | |
| b | -3.19* | -3.13 | 1.24 | 1.77 |
| Standard Error | 1.28 | 2.74 | .78 | 2.19 |
| **Spelling** | | | | |
| b | -6.27** | -6.53 | 1.94 | 1.57 |
| Standard Error | 1.74 | 3.69 | 1.07 | 2.95 |
| **Language** | | | | |
| b | -5.53** | -5.25* | 2.47** | 2.98 |
| Standard Error | .92 | 2.04 | .61 | 1.63 |
| **Math Computations** | | | | |
| b | -1.46 | -2.57 | .78 | 1.39 |
| Standard Error | 1.13 | 2.15 | .59 | 1.72 |
| **Raven's** | | | | |
| b | - .75 | - .53 | .23 | .09 |
| Standard Error | .60 | 1.45 | .48 | 1.16 |
| **Reading** | | | | |
| b | -4.92** | -5.33** | .46 | .85 |
| Standard Error | .98 | 1.95 | .48 | 1.56 |
| **Math Concepts** | | | | |
| b | -1.34 | -2.29 | .26 | .13 |
| Standard Error | .85 | 1.91 | .54 | 1.53 |
| **Math Problem Solving** | | | | |
| b | -1.41 | -1.50 | - .42 | - .12 |
| Standard Error | .81 | 1.69 | .51 | 1.36 |
| **Coopersmith** | | | | |
| b | -2.81* | -2.67 | -3.04** | -2.42 |
| Standard Error | 1.35 | 2.29 | .55 | 1.83 |
| **IARS(-)** | | | | |
| b | -1.18* | .97 | - .17 | - .36 |
| Standard Error | .49 | .88 | 2.6 | .70 |
| **IARS(+)** | | | | |
| b | - .99** | - .95 | .34 | - .13 |
| Standard Error | .31 | .75 | .25 | .60 |
| **Total Reading** | | | | |
| b | -8.11** | -8.45 | 1.70 | 2.62 |
| Standard Error | 2.04 | 4.32 | 1.13 | 3.45 |
| **Total Math** | | | | |
| b | -4.22 | -6.36 | .63 | 1.41 |
| Standard Error | 2.36 | 4.95 | 1.47 | 3.96 |
| **Language Part A** | | | | |
| b | -1.40** | -1.57 | .80** | .94 |
| Standard Error | .47 | 1.01 | .29 | .80 |
| **Language Part B** | | | | |
| b | -4.13** | -3.68* | 1.67** | 2.04 |
| Standard Error | .68 | 1.52 | .43 | 1.22 |

* $p < .05$

** $p < .01$

## Table C12-IIIK(PS)-27

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR ILM MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 27 | 40 | 70 | 137 | 57 | 67 | 92 | 216 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 34.52 | 27.87 | 21.07 | 25.71 | 29.84 | 31.85 | 25.24 | 28.50 |
| STANDARD DEVIATION | 9.88 | 11.24 | 8.61 | 10.97 | 11.63 | 12.94 | 11.85 | 12.43 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.50 | 13.77 | 12.87 | 13.75 | 13.09 | 14.06 | 14.10 | 13.67 |
| STANDARD DEVIATION | 2.07 | 1.68 | 1.02 | 1.75 | 1.47 | 2.19 | 1.93 | 1.86 |
| NUMBER | 18 | 26 | 16 | 60 | 33 | 17 | 29 | 79 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4349.94 | 4723.96 | 3459.93 | 4280.98 | 4967.71 | 5585.57 | 4861.38 | 5050.61 |
| STANDARD DEVIATION | 2219.35 | 2488.77 | 2269.72 | 2367.97 | 2281.50 | 2591.40 | 2817.38 | 2527.13 |
| MEDIAN | 3300.00 | 4950.25 | 2537.50 | 3750.25 | 4449.75 | 5200.00 | 4550.00 | 4675.12 |
| NUMBER | 18 | 25 | 15 | 58 | 31 | 14 | 26 | 71 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 5.56 | 4.00 | 6.67 | 5.17 | 3.23 | 14.29 | 15.38 | 9.86 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 10.00 | 4.29 | 5.11 | 1.75 | 2.99 | 2.17 | 2.31 |
| PERCENT BLACK | 100.00 | 90.00 | 95.71 | 94.89 | 80.70 | 92.54 | 92.39 | 89.35 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 70.37 | 57.50 | 45.71 | 54.01 | 56.14 | 59.70 | 45.65 | 52.78 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 64.14 | 62.93 | 62.90 | 63.15 | 62.80 | 64.10 | 62.44 | 63.05 |
| STANDARD DEVIATION | 3.05 | 3.70 | 3.45 | 3.46 | 3.61 | 3.99 | 3.46 | 3.72 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 84.21 | 97.01 | 92.39 | 91.67 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.07 | 11.89 | 11.08 | 11.75 | 10.70 | 11.59 | 10.75 | 10.91 |
| STANDARD DEVIATION | 2.05 | 2.37 | 2.24 | 2.23 | 2.32 | 2.64 | 3.14 | 2.71 |
| NUMBER | 17 | 23 | 13 | 53 | 32 | 17 | 29 | 78 |
| PERCENT HS GRAD | 64.71 | 60.87 | 38.46 | 56.60 | 31.25 | 52.94 | 37.93 | 38.46 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 63.16 | 38.46 | 50.00 | 49.18 | 55.88 | 47.06 | 48.28 | 51.25 |
| NUMBER | 19 | 26 | 16 | 61 | 34 | 17 | 29 | 80 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 19.71 | 100.00 | 0.00 | 0.00 | 26.39 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 29.20 | 0.00 | 100.00 | 0.00 | 31.02 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 51.09 | 0.00 | 0.00 | 100.00 | 42.59 |

## Table C12-IIIK(PS)-28

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR ILM MODEL IN NEW YORK, NY

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 21 | 8 | 7 | 36 | 37 | 43 | 73 | 153 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 37.76 | 38.50 | 26.71 | 35.78 | 31.32 | 34.28 | 27.11 | 30.14 |
| STANDARD DEVIATION | 8.17 | 7.33 | 9.25 | 9.17 | 11.78 | 13.19 | 11.87 | 12.54 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.69 | 15.00 | 12.75 | 14.48 | 13.28 | 14.38 | 14.80 | 14.05 |
| STANDARD DEVIATION | 2.17 | 1.77 | .50 | 1.98 | 1.71 | 2.39 | 1.86 | 1.99 |
| NUMBER | 13 | 8 | 4 | 25 | 18 | 8 | 15 | 41 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4799.92 | 4914.29 | 2675.00 | 4479.12 | 5811.76 | 7016.33 | 6024.75 | 6091.29 |
| STANDARD DEVIATION | 2337.91 | 1966.75 | 1410.38 | 2191.37 | 1775.49 | 2590.61 | 2977.47 | 2351.65 |
| MEDIAN | 5000.00 | 5150.00 | 2250.00 | 4800.00 | 5700.00 | 5300.00 | 6200.00 | 5766.33 |
| NUMBER | 13 | 7 | 4 | 24 | 17 | 6 | 12 | 35 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 7.69 | 0.00 | 0.00 | 4.17 | 0.00 | 33.33 | 25.00 | 14.29 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.33 | 2.74 | 1.96 |
| PERCENT BLACK | 100.00 | 100.00 | 100.00 | 100.00 | 72.97 | 90.70 | 90.41 | 86.27 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 71.43 | 50.00 | 42.86 | 61.11 | 45.95 | 55.81 | 47.95 | 49.67 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.87 | 59.93 | 60.50 | 62.34 | 62.51 | 64.05 | 62.61 | 62.99 |
| STANDARD DEVIATION | 3.13 | 1.66 | 3.21 | 3.36 | 3.64 | 3.92 | 3.39 | 3.64 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 75.68 | 95.35 | 90.41 | 88.24 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.48 | 12.12 | 9.23 | 12.05 | 10.59 | 11.41 | 9.83 | 10.48 |
| STANDARD DEVIATION | 1.27 | 1.10 | 5.34 | 1.89 | 2.32 | 3.52 | 3.66 | 3.06 |
| NUMBER | 12 | 7 | 2 | 21 | 19 | 8 | 15 | 42 |
| PERCENT HS GRAD | 66.67 | 57.14 | 50.00 | 61.90 | 26.32 | 50.00 | 26.67 | 30.95 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 50.00 | 50.00 | 25.00 | 46.15 | 47.37 | 0.00 | 26.67 | 30.95 |
| NUMBER | 14 | 8 | 4 | 26 | 19 | 8 | 15 | 42 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 58.33 | 100.00 | 0.00 | 0.00 | 24.18 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 22.22 | 0.00 | 100.00 | 0.00 | 28.10 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 19.44 | 0.00 | 0.00 | 100.00 | 47.71 |

Table C12-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR ILM MODEL IN ATLANTA, GA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 6 | 32 | 63 | 101 | 20 | 24 | 19 | 63 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 23.17 | 25.22 | 20.44 | 22.12 | 27.10 | 27.50 | 18.05 | 24.52 |
| STANDARD DEVIATION | 6.49 | 10.50 | 8.38 | 9.20 | 11.13 | 11.47 | 8.80 | 11.30 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.00 | 13.22 | 12.92 | 13.23 | 12.87 | 13.78 | 13.36 | 13.26 |
| STANDARD DEVIATION | 1.87 | 1.35 | 1.16 | 1.37 | 1.13 | 2.11 | 1.78 | 1.64 |
| NUMBER | 5 | 18 | 12 | 35 | 15 | 9 | 14 | 38 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 3180.00 | 4649.94 | 3745.36 | 4141.12 | 3942.79 | 4512.50 | 3864.21 | 4038.83 |
| STANDARD DEVIATION | 1472.07 | 2712.65 | 2505.89 | 2507.92 | 2463.61 | 2146.38 | 2333.04 | 2294.48 |
| MEDIAN | 2625.00 | 3899.50 | 2666.67 | 3166.83 | 3766.67 | 4050.00 | 3350.00 | 3800.00 |
| NUMBER | 5 | 18 | 11 | 34 | 14 | 8 | 14 | 36 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 5.56 | 9.09 | 5.88 | 7.14 | 0.00 | 7.14 | 5.56 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 12.50 | 4.76 | 6.93 | 5.00 | 4.17 | 0.00 | 3.17 |
| PERCENT BLACK | 100.00 | 87.50 | 95.24 | 93.07 | 95.00 | 95.83 | 100.00 | 96.83 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 66.67 | 59.38 | 46.03 | 51.49 | 75.00 | 66.67 | 36.84 | 60.32 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 65.09 | 63.68 | 63.17 | 63.44 | 63.34 | 64.19 | 61.79 | 63.20 |
| STANDARD DEVIATION | 2.80 | 3.71 | 3.39 | 3.47 | 3.60 | 4.19 | 3.73 | 3.94 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.08 | 11.79 | 11.42 | 11.55 | 10.85 | 11.76 | 11.73 | 11.42 |
| STANDARD DEVIATION | 3.27 | 2.78 | 1.53 | 2.44 | 2.40 | 1.74 | 2.21 | 2.16 |
| NUMBER | 5 | 16 | 11 | 32 | 13 | 9 | 14 | 36 |
| PERCENT HS GRAD | 60.00 | 62.50 | 36.36 | 53.13 | 38.46 | 55.56 | 50.00 | 47.22 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 100.00 | 33.33 | 58.33 | 51.43 | 66.67 | 88.89 | 71.43 | 73.68 |
| NUMBER | 5 | 18 | 12 | 35 | 15 | 9 | 14 | 38 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.09 | 0.00 | 0.00 | 5.94 | 100.00 | 0.00 | 0.00 | 31.75 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 31.68 | 0.00 | 100.00 | 0.00 | 38.10 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 62.38 | 0.00 | 0.00 | 100.00 | 30.16 |

Table C12-IIIK(PS)-29

## MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR ILM MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 27 | 40 | 70 | 137 | 57 | 67 | 92 | 216 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 23.93 | 21.55 | 16.97 | 19.68 | 22.68 | 23.90 | 24.11 | 23.67 |
| STANDARD DEVIATION | 8.77 | 10.63 | 7.88 | 9.33 | 11.41 | 10.62 | 11.17 | 11.03 |
| SPELLING | | | | | | | | |
| MEAN | 18.37 | 18.87 | 13.53 | 16.04 | 18.75 | 20.94 | 21.37 | 20.55 |
| STANDARD DEVIATION | 10.95 | 12.31 | 10.93 | 11.56 | 13.64 | 12.17 | 13.20 | 12.99 |
| LANGUAGE | | | | | | | | |
| MEAN | 15.48 | 15.90 | 13.40 | 14.54 | 16.61 | 15.52 | 15.29 | 15.71 |
| STANDARD DEVIATION | 7.22 | 5.81 | 6.36 | 6.45 | 8.09 | 7.31 | 6.97 | 7.37 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 18.63 | 17.30 | 12.46 | 15.09 | 15.96 | 17.21 | 17.67 | 17.08 |
| STANDARD DEVIATION | 7.68 | 6.50 | 5.25 | 6.70 | 7.78 | 7.34 | 7.05 | 7.33 |
| RAVENS | | | | | | | | |
| MEAN | 17.93 | 16.70 | 15.80 | 16.48 | 17.81 | 17.84 | 16.18 | 17.12 |
| STANDARD DEVIATION | 4.22 | 4.56 | 5.18 | 4.86 | 4.95 | 4.34 | 4.21 | 4.51 |
| READING | | | | | | | | |
| MEAN | 16.81 | 16.25 | 14.13 | 15.28 | 17.05 | 19.34 | 18.68 | 18.46 |
| STANDARD DEVIATION | 5.55 | 5.02 | 5.11 | 5.27 | 7.48 | 7.61 | 7.41 | 7.51 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 16.48 | 14.95 | 12.01 | 13.75 | 14.58 | 15.94 | 16.50 | 15.82 |
| STANDARD DEVIATION | 5.54 | 6.77 | 5.48 | 6.14 | 6.88 | 6.92 | 6.61 | 6.79 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 13.00 | 11.48 | 10.39 | 11.22 | 11.47 | 12.99 | 13.13 | 12.65 |
| STANDARD DEVIATION | 4.79 | 5.91 | 4.48 | 5.06 | 5.96 | 5.74 | 5.45 | 5.70 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.85 | 33.92 | 32.36 | 33.70 | 36.25 | 37.30 | 36.97 | 36.88 |
| STANDARD DEVIATION | 8.05 | 5.98 | 5.62 | 6.45 | 5.93 | 7.63 | 7.00 | 6.93 |
| IARS(-) | | | | | | | | |
| MEAN | 9.81 | 9.63 | 9.09 | 9.39 | 10.49 | 10.79 | 10.73 | 10.69 |
| STANDARD DEVIATION | 2.42 | 2.57 | 2.72 | 2.62 | 2.84 | 2.39 | 2.60 | 2.60 |
| IARS(+) | | | | | | | | |
| MEAN | 12.22 | 12.80 | 12.03 | 12.29 | 13.32 | 13.63 | 13.05 | 13.30 |
| STANDARD DEVIATION | 1.74 | 2.27 | 2.54 | 2.33 | 2.07 | 2.30 | 2.33 | 2.26 |
| TOTAL READING | | | | | | | | |
| MEAN | 40.74 | 37.80 | 31.10 | 34.96 | 39.74 | 43.24 | 42.79 | 42.12 |
| STANDARD DEVIATION | 13.13 | 14.48 | 11.73 | 13.40 | 18.16 | 17.29 | 17.95 | 17.78 |
| TOTAL MATH | | | | | | | | |
| MEAN | 48.11 | 43.72 | 34.86 | 40.06 | 42.02 | 46.13 | 47.30 | 45.55 |
| STANDARD DEVIATION | 15.49 | 17.53 | 13.63 | 16.09 | 18.50 | 18.01 | 16.70 | 17.65 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.33 | 7.72 | 6.54 | 7.04 | 7.12 | 7.49 | 7.62 | 7.45 |
| STANDARD DEVIATION | 3.20 | 2.92 | 3.11 | 3.09 | 3.42 | 3.45 | 3.30 | 3.37 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.15 | 8.18 | 6.86 | 7.50 | 9.49 | 8.03 | 7.67 | 8.26 |
| STANDARD DEVIATION | 5.42 | 3.94 | 4.33 | 4.48 | 5.84 | 5.31 | 4.81 | 5.28 |

### Table C12-IIIK(PS)-30

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR ILM MODEL IN NEW YORK, NY

| | | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | | 21 | 8 | 7 | 36 | 37 | 43 | 73 | 153 |
| WORD KNOWLEDGE | MEAN | 24.67 | 29.25 | 22.86 | 25.33 | 26.24 | 27.33 | 26.63 | 26.73 |
| | STANDARD DEVIATION | 8.38 | 11.21 | 8.76 | 9.13 | 10.87 | 10.21 | 10.50 | 10.45 |
| SPELLING | MEAN | 19.24 | 20.25 | 14.00 | 18.44 | 22.24 | 22.72 | 24.26 | 23.34 |
| | STANDARD DEVIATION | 10.89 | 13.68 | 11.59 | 11.54 | 13.27 | 12.12 | 12.34 | 12.46 |
| LANGUAGE | MEAN | 14.10 | 14.87 | 11.29 | 13.72 | 18.54 | 17.37 | 16.12 | 17.06 |
| | STANDARD DEVIATION | 5.85 | 5.99 | 7.54 | 6.17 | 7.84 | 8.01 | 7.19 | 7.60 |
| MATH COMPUTATIONS | MEAN | 19.05 | 15.87 | 14.29 | 17.42 | 18.27 | 18.70 | 18.89 | 18.69 |
| | STANDARD DEVIATION | 7.76 | 5.69 | 5.50 | 7.08 | 7.94 | 8.20 | 7.01 | 7.54 |
| RAVENS | MEAN | 18.19 | 16.62 | 16.00 | 17.42 | 18.32 | 17.81 | 16.59 | 17.35 |
| | STANDARD DEVIATION | 3.94 | 4.41 | 3.74 | 4.01 | 5.17 | 4.35 | 4.12 | 4.49 |
| READING | MEAN | 16.38 | 16.37 | 16.00 | 16.31 | 19.14 | 21.21 | 20.11 | 20.18 |
| | STANDARD DEVIATION | 5.93 | 6.61 | 6.95 | 6.09 | 7.41 | 7.87 | 7.36 | 7.51 |
| MATH CONCEPTS | MEAN | 16.43 | 16.00 | 14.86 | 16.03 | 15.62 | 17.40 | 17.53 | 17.03 |
| | STANDARD DEVIATION | 5.59 | 3.59 | 7.78 | 5.58 | 7.18 | 7.32 | 6.50 | 6.90 |
| MATH PROBLEM SOLVING | MEAN | 12.81 | 9.38 | 11.86 | 11.86 | 12.54 | 13.77 | 13.64 | 13.41 |
| | STANDARD DEVIATION | 4.33 | 4.10 | 2.54 | 4.14 | 6.26 | 6.35 | 5.79 | 6.04 |
| COOPERSMITH | MEAN | 36.57 | 35.25 | 32.86 | 35.56 | 37.24 | 37.16 | 37.41 | 37.30 |
| | STANDARD DEVIATION | 8.74 | 6.18 | 9.21 | 8.24 | 6.22 | 7.80 | 7.02 | 7.03 |
| IARS(-) | MEAN | 9.90 | 10.50 | 10.29 | 10.11 | 11.24 | 11.12 | 11.26 | 11.22 |
| | STANDARD DEVIATION | 2.61 | 2.67 | 3.50 | 2.73 | 2.78 | 2.08 | 2.51 | 2.45 |
| IARS(+) | MEAN | 12.24 | 13.62 | 13.57 | 12.81 | 13.57 | 13.93 | 13.63 | 13.70 |
| | STANDARD DEVIATION | 1.81 | 1.19 | 1.81 | 1.79 | 2.13 | 2.18 | 1.83 | 2.00 |
| TOTAL READING | MEAN | 41.05 | 45.63 | 38.86 | 41.64 | 45.38 | 48.53 | 46.74 | 46.91 |
| | STANDARD DEVIATION | 13.33 | 16.25 | 15.00 | 14.08 | 17.48 | 17.24 | 17.24 | 17.22 |
| TOTAL MATH | MEAN | 48.29 | 41.25 | 41.00 | 45.31 | 46.43 | 49.86 | 50.07 | 49.13 |
| | STANDARD DEVIATION | 15.10 | 12.15 | 14.62 | 14.47 | 19.56 | 19.88 | 16.82 | 18.33 |
| LANGUAGE PART A | MEAN | 7.33 | 7.88 | 5.57 | 7.11 | 7.73 | 8.12 | 8.03 | 7.98 |
| | STANDARD DEVIATION | 3.28 | 3.27 | 2.99 | 3.23 | 3.52 | 3.36 | 3.26 | 3.33 |
| LANGUAGE PART B | MEAN | 6.76 | 7.00 | 5.71 | 6.61 | 10.81 | 9.26 | 8.10 | 9.08 |
| | STANDARD DEVIATION | 3.92 | 3.59 | 5.25 | 4.04 | 5.84 | 6.05 | 5.08 | 5.62 |

Table C12-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR ILM MODEL IN ATLANTA, GA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 6 | 32 | 63 | 101 | 20 | 24 | 19 | 63 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 21.33 | 19.62 | 16.32 | 17.66 | 16.10 | 17.75 | 14.42 | 16.22 |
| STANDARD DEVIATION | 10.41 | 9.73 | 7.57 | 8.57 | 9.45 | 8.48 | 8.05 | 8.64 |
| SPELLING | | | | | | | | |
| MEAN | 15.33 | 18.53 | 13.48 | 15.19 | 12.30 | 17.75 | 10.26 | 13.76 |
| STANDARD DEVIATION | 11.64 | 12.16 | 10.95 | 11.50 | 12.12 | 11.84 | 10.41 | 11.79 |
| LANGUAGE | | | | | | | | |
| MEAN | 20.33 | 16.16 | 13.63 | 14.83 | 13.05 | 12.21 | 12.11 | 12.44 |
| STANDARD DEVIATION | 9.91 | 5.84 | 6.24 | 6.55 | 7.49 | 4.27 | 5.01 | 5.60 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 17.17 | 17.66 | 12.25 | 14.26 | 11.70 | 14.54 | 13.00 | 13.17 |
| STANDARD DEVIATION | 7.88 | 6.72 | 5.23 | 6.39 | 5.40 | 4.49 | 5.02 | 5.02 |
| RAVENS | | | | | | | | |
| MEAN | 17.00 | 16.72 | 15.78 | 16.15 | 16.85 | 17.87 | 14.63 | 16.57 |
| STANDARD DEVIATION | 5.40 | 4.66 | 5.34 | 5.11 | 4.48 | 4.43 | 4.28 | 4.54 |
| READING | | | | | | | | |
| MEAN | 18.33 | 16.22 | 13.92 | 14.91 | 13.20 | 16.00 | 13.21 | 14.27 |
| STANDARD DEVIATION | 4.03 | 4.67 | 4.90 | 4.93 | 6.06 | 5.91 | 4.60 | 5.67 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 16.67 | 14.69 | 11.70 | 12.94 | 12.65 | 13.33 | 12.53 | 12.87 |
| STANDARD DEVIATION | 5.85 | 7.38 | 5.15 | 6.15 | 5.98 | 5.36 | 5.56 | 5.55 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 13.67 | 12.00 | 10.22 | 10.99 | 9.50 | 11.58 | 11.16 | 10.79 |
| STANDARD DEVIATION | 6.59 | 6.22 | 4.63 | 5.34 | 4.90 | 4.21 | 3.35 | 4.25 |
| COOPERSMITH | | | | | | | | |
| MEAN | 37.83 | 33.59 | 32.30 | 33.04 | 34.40 | 37.54 | 35.26 | 35.86 |
| STANDARD DEVIATION | 5.42 | 5.99 | 5.19 | 5.58 | 4.98 | 7.47 | 6.84 | 6.62 |
| IARS(-) | | | | | | | | |
| MEAN | 9.50 | 9.41 | 8.95 | 9.13 | 9.10 | 10.21 | 8.68 | 9.40 |
| STANDARD DEVIATION | 1.76 | 2.54 | 2.62 | 2.54 | 2.45 | 2.81 | 1.89 | 2.50 |
| IARS(+) | | | | | | | | |
| MEAN | 12.17 | 12.59 | 11.86 | 12.11 | 12.85 | 13.08 | 10.84 | 12.33 |
| STANDARD DEVIATION | 1.60 | 2.43 | 2.56 | 2.48 | 1.93 | 2.45 | 2.75 | 2.56 |
| TOTAL READING | | | | | | | | |
| MEAN | 39.67 | 35.84 | 30.24 | 32.57 | 29.30 | 33.75 | 27.63 | 30.49 |
| STANDARD DEVIATION | 13.57 | 13.58 | 11.12 | 12.37 | 14.71 | 13.00 | 11.63 | 13.24 |
| TOTAL MATH | | | | | | | | |
| MEAN | 47.50 | 44.34 | 34.17 | 38.19 | 33.85 | 39.46 | 36.68 | 36.84 |
| STANDARD DEVIATION | 18.27 | 18.74 | 13.46 | 16.29 | 13.23 | 11.69 | 11.29 | 12.12 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.33 | 7.69 | 6.65 | 7.02 | 6.00 | 6.38 | 6.05 | 6.16 |
| STANDARD DEVIATION | 3.20 | 2.88 | 3.12 | 3.06 | 2.99 | 3.39 | 3.03 | 3.11 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 13.00 | 8.47 | 6.98 | 7.81 | 7.05 | 5.83 | 6.05 | 6.29 |
| STANDARD DEVIATION | 7.40 | 4.02 | 4.25 | 4.60 | 5.10 | 2.50 | 3.15 | 3.67 |

Table C13-IIIK-1

### ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT III KINDERGARTEN SITES IN THE SEDL MODEL

| | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR., LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| AMERICAN INDIAN<br>Percent<br>Number | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | —<br>— | 0.0<br>0 | 0.0<br>0 | —<br>— | 0.0<br>0 | 0.0<br>0 | —<br>— | 0.0<br>0 | 0.0<br>0 | —<br>— |
| BLACK<br>Percent<br>Number | 47.1<br>33 | 95.2<br>437 | 39.4<br>37 | 0.0<br>0 | 0.0<br>0 | —<br>— | 10.4<br>15 | 6.9<br>5 | —<br>— | 52.5<br>62 | 57.3<br>51 | —<br>— | 0.0<br>0 | 0.0<br>0 | —<br>— |
| ORIENTAL<br>Percent<br>Number | 0.0<br>0 | 0.0<br>0 | 1.1<br>1 | 0.8<br>1 | 2.7<br>1 | —<br>— | 0.0<br>0 | 0.0<br>0 | —<br>— | 0.0<br>0 | 0.0<br>0 | —<br>— | 0.0<br>0 | 0.0<br>0 | —<br>— |
| MEXICAN AMERICAN<br>Percent<br>Number | 0.0<br>0 | 0.0<br>0 | 57.5<br>54 | 93.2<br>124 | 86.5<br>32 | —<br>— | 72.9<br>105 | 34.7<br>25 | —<br>— | 0.9<br>1 | 0.0<br>0 | —<br>— | 100.0<br>82 | 100.0<br>42 | —<br>— |
| PUERTO RICAN<br>Percent<br>Number | 51.4<br>36 | 3.5<br>16 | 0.0<br>0 | 0.0<br>0 | 5.4<br>2 | —<br>— | 0.0<br>0 | 0.0<br>0 | —<br>— | 0.0<br>0 | 0.0<br>0 | —<br>— | 0.0<br>0 | 0.0<br>0 | —<br>— |
| OTHER SPANISH SURNAME<br>Percent<br>Number | 0.0<br>0 | 0.2<br>1 | 0.0<br>0 | 3.0<br>4 | 0.0<br>0 | —<br>— | 0.0<br>0 | 1.4<br>1 | —<br>— | 0.0<br>0 | 0.0<br>0 | —<br>— | 0.0<br>0 | 0.0<br>0 | —<br>— |
| WHITE<br>Percent<br>Number | 1.4<br>1 | 1.1<br>5 | 2.1<br>2 | 3.0<br>4 | 2.7<br>1 | —<br>— | 13.2<br>19 | 56.9<br>41 | —<br>— | 46.6<br>55 | 42.7<br>38 | —<br>— | 0.0<br>0 | 0.0<br>0 | —<br>— |
| OTHER<br>Percent<br>Number | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 2.7<br>1 | —<br>— | 3.5<br>5 | 0.0<br>0 | —<br>— | 0.0<br>0 | 0.0<br>0 | —<br>— | 0.0<br>0 | 0.0<br>0 | —<br>— |
| BEST MATCHED SITE | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

## Table C13-IIIK-2

### DISTRIBUTION OF BACKGROUND VARIABLES
### COHORT III KINDERGARTEN CHILDREN
### FOR THE SEDL MODEL

| | SPONSOR'S SITES | | | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR.,LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE Number | — | — | — | 70 | 459 | 94 | 133 | 37 | — | 144 | 75 | — | 118 | 89 | — | 82 | 42 | — |
| FALL KINDERGARTEN WRAT Mean Score | 25.2 | 26.6 | — | 22.6 | 26.9 | 21.1 | 37.1 | 32.8 | — | 24.0 | 27.7 | — | 22.9 | 22.5 | — | 19.2 | 22.8 | — |
| PERCENT WITH PRESCHOOL | 49 | 28 | — | 49 | 28 | 15 | 75 | 45 | — | 50 | 32 | — | 71 | 32 | — | 2 | 5 | — |
| Number Responding | — | — | — | 67 | 372 | 39 | 126 | 31 | — | 142 | 75 | — | 117 | 73 | — | 82 | 42 | — |
| CHILDREN'S ETHNICITY Percent Black | 22 | 32 | — | 47 | 95 | 39 | 0 | 0 | — | 10 | 7 | — | 53 | 57 | — | 0 | 0 | — |
| Percent White | 13 | 21 | — | 1 | 1 | 2 | 3 | 3 | — | 13 | 57 | — | 47 | 43 | — | 0 | 0 | — |
| Percent Other | 65 | 47 | — | 51 | 4 | 59 | 97 | 97 | — | 76 | 36 | — | 1 | 0 | — | 100 | 100 | — |
| MEDIAN FAMILY INCOME | 4213 | 4854 | — | 4280 | 5300 | 4325 | 5200 | 4450 | — | 4675 | 5250 | — | 3767 | 4920 | — | 3143 | 4350 | — |
| Number Responding | — | — | — | 21 | 54 | 33 | 43 | 29 | — | 51 | 71 | — | 76 | 67 | — | 77 | 41 | — |
| MOTHER'S EDUCATION Percent H.S. Graduates | 29 | 32 | — | 29 | 37 | 19 | 24 | 16 | — | 36 | 35 | — | 32 | 34 | — | 22 | 35 | — |
| Number Responding | — | — | — | 21 | 54 | 32 | 49 | 31 | — | 53 | 71 | — | 75 | 67 | — | 77 | 40 | — |
| FEMALE HEADS OF HOUSEHOLD Percent | 23 | 20 | — | 57 | 48 | 48 | 22 | 29 | — | 17 | 11 | — | 10 | 9 | — | 9 | 2 | — |
| BEST MATCHED SITE | | | | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par.,LA | | | San Diego, TX | | |

Table C13-IIIK-3

## TEACHER BACKGROUND CHARACTERISTICS FOR COHORT III-K SITES IN SEDL MODEL

| | Philadelphia, PA | | Los Angeles, CA | | Tulare, CA | | St. Martin Parish, LA | | San Diego, TX | |
|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| **YEARS OF ELEMENTARY TEACHING EXPERIENCE** | | | | | | | | | | |
| Mean | 8.33 | 7.51 | 8.06 | 7.50 | 7.61 | 7.50 | 3.60 | 9.09 | 12.60 | 9.83 |
| Standard Deviation | 5.27 | 7.20 | 5.76 | 6.21 | 6.62 | 6.09 | 2.30 | 7.35 | 12.05 | 10.12 |
| N | 6 | 55 | 16 | 12 | 9 | 6 | 5 | 11 | 5 | 6 |
| **YEARS IN SCHOOL** | | | | | | | | | | |
| Mean | 5.83 | 5.57 | 7.00 | 4.91 | 4.83 | 5.83 | 3.40 | 6.45 | 8.00 | 8.00 |
| Standard Deviation | 5.11 | 6.03 | 4.81 | 5.29 | 2.66 | 4.99 | 1.81 | 4.33 | 6.81 | 9.16 |
| N | 6 | 54 | 16 | 12 | 9 | 6 | 5 | 12 | 5 | 6 |
| **YEARS IN MODEL** | | | | | | | | | | |
| Mean | 2.58 | 1.93 | 2.43 | 0.50 | 3.44 | 0.75 | 3.60 | 0.50 | 2.90 | 0.50 |
| Standard Deviation | 1.74 | 5.55 | 1.15 | 0 | 1.86 | 0.35 | 2.60 | 0 | 1.74 | 0 |
| N | 6 | 15 | 16 | 2 | 9 | 2 | 5 | 4 | 5 | 3 |
| **TEACHER'S EDUCATION** | | | | | | | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % with B.A. | 16.7 | 32.1 | 37.5 | 16.7 | 12.5 | 85.7 | 40.0 | 50.0 | 40.0 | 60.0 |
| % Some Graduate | 50.0 | 53.6 | 43.8 | 33.3 | 87.5 | 14.3 | 40.0 | 25.0 | 40.0 | 40.0 |
| % M.A. or More | 33.3 | 14.3 | 18.8 | 50.0 | 0 | 0 | 20.0 | 25.0 | 20.0 | 0 |
| N | 6 | 56 | 16 | 12 | 8 | 7 | 5 | 12 | 5 | 5 |
| **TEACHER'S CERTIFICATION** | | | | | | | | | | |
| % None | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Temporary | 33.3 | 30.9 | 0 | 18.2 | 11.1 | 0 | 20.0 | 8.3 | 0 | 20.0 |
| % Renewable/Permanent | 66.7 | 69.1 | 100.0 | 81.8 | 88.9 | 100.0 | 80.0 | 91.7 | 100.0 | 80.0 |
| N | 6 | 55 | 16 | 11 | 9 | 7 | 5 | 12 | 5 | 5 |
| **TEACHER'S ETHNICITY** | | | | | | | | | | |
| % White | 50.0 | 36.8 | 42.9 | 66.7 | 44.4 | 100.0 | 80.0 | 50.0 | 0 | 50.0 |
| % Black | 50.0 | 61.4 | 14.3 | 16.7 | 0 | 0 | 20.0 | 50.0 | 0 | 0 |
| % Spanish Surname | 0 | 0 | 0 | 0 | 11.1 | 0 | 0 | 0 | 0 | 0 |
| % Other | 0 | 1.8 | 42.9 | 16.7 | 44.4 | 0 | 0 | 0 | 100.0 | 50.0 |
| N | 6 | 57 | 14 | 12 | 9 | 7 | 5 | 12 | 4 | 6 |
| **AGE IN YEARS** | | | | | | | | | | |
| Mean | 32.50 | 33.53 | 34.43 | 34.66 | 34.22 | 33.57 | 29.00 | 33.50 | 42.80 | 38.83 |
| Standard Deviation | 5.99 | 10.91 | 6.65 | 9.70 | 11.04 | 12.34 | 5.56 | 7.47 | 13.34 | 16.05 |
| N | 6 | 54 | 16 | 12 | 9 | 7 | 5 | 12 | 5 | 6 |

## Table C13-IIIK-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1975) FOR THE COHORT III KINDERGARTEN SITES IN THE SEDL MODEL

| | SPONSOR'S SITES | | | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR., LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 51.2 | 50.5 | — | 54.4 | 51.5 | 49.9 | 49.3 | 51.1 | — | 49.0 | 48.9 | — | 56.7 | 50.4 | — | 46.4 | 50.4 | — |
| Number | 5 | 5 | — | 6 | 57 | 15 | 16 | 12 | — | 9 | 7 | — | 5 | 12 | — | 5 | 6 | — |
| Local Mean Difference | — | — | — | 2.9 | — | — | — | — | — | — | — | — | 6.3 | — | — | -4.0 | — | — |
| Best Match Mean Difference | — | — | — | 4.6 | — | — | — | — | — | — | — | — | 6.3 | — | — | -4.0 | — | — |
| FLEXIBLE CLASSROOM | 51.1 | 48.5 | — | 50.0 | 45.5 | 44.3 | 50.6 | 49.3 | — | 58.1 | 46.7 | — | 47.8 | 48.4 | — | 49.3 | 52.7 | — |
| Number | 5 | 5 | — | 5 | 57 | 15 | 16 | 12 | — | 9 | 7 | — | 5 | 12 | — | 5 | 6 | — |
| Local Mean Difference | 2.6 | — | — | 4.5 | — | — | — | — | — | 11.3 | — | — | — | — | — | -3.5 | — | — |
| Best Match Mean Difference | — | — | — | 5.7 | — | — | — | — | — | 11.3 | — | — | — | — | — | -3.5 | — | — |
| INDIVIDUALIZATION | 53.6 | 51.0 | — | 48.6 | 41.5 | 46.6 | 60.0 | 53.1 | — | 51.5 | 57.0 | — | 58.6 | 53.4 | — | 49.3 | 50.0 | — |
| Number | 5 | 5 | — | 6 | 57 | 15 | 16 | 12 | — | 9 | 7 | — | 5 | 12 | — | 5 | 6 | — |
| Local Mean Difference | 2.6 | — | — | 7.1 | — | — | 7.0 | — | — | -5.5 | — | — | 5.2 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 7.0 | — | — | -5.5 | — | — | 5.2 | — | — | — | — | — |
| ACADEMIC (VS. EMOTIONAL) | 48.0 | 50.3 | — | 44.7 | 48.6 | 49.0 | 49.8 | 54.5 | — | 46.9 | 56.9 | — | 46.2 | 49.2 | — | 52.5 | 42.5 | — |
| EMPHASIS Number | 5 | 5 | — | 6 | 57 | 15 | 16 | 12 | — | 9 | 7 | — | 5 | 12 | — | 5 | 6 | — |
| Local Mean Difference | — | — | — | -3.9 | — | — | -4.7 | — | — | -9.9 | — | — | -3.0 | — | — | 10.1 | — | — |
| Best Match Mean Difference | — | — | — | -4.3 | — | — | -4.7 | — | — | -9.9 | — | — | -3.0 | — | — | 10.1 | — | — |
| SATISFACTION WITH | 55.1 | 48.4 | — | 52.8 | 49.0 | 43.1 | 52.4 | 53.7 | — | 57.1 | 46.8 | — | 62.3 | 48.0 | — | 51.0 | 44.6 | — |
| SPONSOR Number | 5 | 5 | — | 6 | 32 | 8 | 16 | 2 | — | 9 | 2 | — | 5 | 10 | — | 5 | 2 | — |
| Local Mean Difference | 6.7 | — | — | 3.8 | — | — | — | — | — | 10.3 | — | — | 14.3 | — | — | 6.4 | — | — |
| Best Match Mean Difference | — | — | — | 4.6 | — | — | — | — | — | 10.3 | — | — | 14.3 | — | — | 6.4 | — | — |
| BEST MATCHED SITE | | | | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

## Table C13-IIIK-5

### STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1975)
### FOR THE COHORT III KINDERGARTEN SITES
### IN THE SEDL MODEL

| | SPONSOR'S SITES | | | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR., LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 48.8 | 49.7 | — | 47.5 | 50.9 | 46.4 | 49.5 | 51.5 | — | 51.3 | 51.1 | — | 50.1 | 46.5 | — | 45.7 | 46.6 | — |
| Number | 5 | 5 | — | 15 | 133 | 24 | 37 | 37 | — | 38 | 37 | — | 32 | 35 | — | 24 | 25 | — |
| Local Mean Difference | — | — | — | -3.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| SCHOOL HELPED CHILD | 50.6 | 49.7 | — | 53.5 | 47.2 | 45.2 | 47.9 | 48.6 | — | 52.0 | 49.8 | — | 53.4 | 52.8 | — | 46.4 | 50.1 | — |
| Number | 5 | 5 | — | 15 | 133 | 24 | 37 | 37 | — | 38 | 37 | — | 32 | 35 | — | 24 | 25 | — |
| Local Mean Difference | — | — | — | 6.3 | — | — | — | — | — | — | — | — | — | — | — | -3.7 | — | — |
| Best Match Mean Difference | — | — | — | 8.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| PAC INVOLVEMENT | 53.9 | 45.9 | — | 47.4 | 45.2 | 43.9 | 60.5 | 49.9 | — | 60.4 | 48.2 | — | 48.9 | 44.0 | — | 52.6 | 42.1 | — |
| Number | 5 | 5 | — | 15 | 128 | 23 | 32 | 31 | — | 38 | 33 | — | 29 | 34 | — | 23 | 24 | — |
| Local Mean Difference | 8.1 | — | — | — | — | — | 10.6 | — | — | 12.2 | — | — | 4.9 | — | — | 10.5 | — | — |
| Best Match Mean Difference | — | — | — | 3.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| CHILD READS AT HOME | 46.9 | 50.0 | — | 42.7 | 50.3 | 45.1 | 50.7 | 51.7 | — | 50.6 | 51.0 | — | 44.0 | 51.3 | — | 46.6 | 45.7 | — |
| Number | 5 | 5 | — | 15 | 133 | 24 | 37 | 37 | — | 38 | 37 | — | 32 | 35 | — | 24 | 25 | — |
| Local Mean Difference | -3.1 | — | — | -7.6 | — | — | — | — | — | — | — | — | -7.3 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| CHILD'S PROG IN SCHOOL | 50.3 | 48.8 | — | 52.1 | 47.8 | 45.2 | 51.5 | 51.9 | — | 53.8 | 45.5 | — | 47.0 | 47.9 | — | 46.9 | 51.1 | — |
| Number | 5 | 5 | — | 15 | 133 | 24 | 37 | 37 | — | 38 | 37 | — | 32 | 35 | — | 24 | 25 | — |
| Local Mean Difference | — | — | — | 4.4 | — | — | — | — | — | 8.3 | — | — | — | — | — | -4.2 | — | — |
| Best Match Mean Difference | — | — | — | 6.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| CHILD READ TO AT HOME | 49.6 | 48.5 | — | 45.2 | 52.0 | 46.0 | 55.0 | 49.0 | — | 46.6 | 48.9 | — | 49.9 | 49.2 | — | 51.3 | 43.5 | — |
| Number | 5 | 5 | — | 15 | 133 | 24 | 37 | 37 | — | 38 | 37 | — | 32 | 35 | — | 24 | 25 | — |
| Local Mean Difference | — | — | — | -6.7 | — | — | 6.0 | — | — | — | — | — | — | — | — | 7.8 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| PARENT VISITS TO SCHOOL | 51.5 | 48.6 | — | 47.1 | 49.6 | 47.6 | 54.4 | 54.2 | — | 56.4 | 46.3 | — | 48.5 | 45.6 | — | 50.9 | 47.4 | — |
| Number | 5 | 5 | — | 15 | 133 | 24 | 37 | 37 | — | 33 | 37 | — | 32 | 35 | — | 24 | 25 | — |
| Local Mean Difference | 2.8 | — | — | — | — | — | — | — | — | 10.1 | — | — | 2.9 | — | — | 3.5 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| CHILD'S EMOT ADJUST | 52.5 | 52.4 | — | 51.5 | 49.5 | 47.2 | 55.8 | 51.2 | — | 50.7 | 53.8 | — | 53.1 | 52.2 | — | 51.7 | 55.4 | — |
| Number | 5 | 5 | — | 15 | 133 | 24 | 37 | 37 | — | 38 | 37 | — | 32 | 35 | — | 24 | 25 | — |
| Local Mean Difference | — | — | — | — | — | — | 4.6 | — | — | -3.2 | — | — | — | — | — | -3.7 | — | — |
| Best Match Mean Difference | — | — | — | 4.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| SCH HELPED WITH CHILD | 53.6 | 50.0 | — | 56.2 | 48.8 | 46.5 | 51.9 | 49.9 | — | 51.6 | 47.4 | — | 53.6 | 53.5 | — | 54.9 | 50.6 | — |
| Number | 5 | 5 | — | 15 | 133 | 24 | 37 | 37 | — | 38 | 37 | — | 32 | 35 | — | 24 | 25 | — |
| Local Mean Difference | 3.6 | — | — | 7.4 | — | — | — | — | — | 4.2 | — | — | — | — | — | 4.3 | — | — |
| Best Match Mean Difference | — | — | — | 9.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| SCHOOL'S RECEPTIVITY | 48.5 | 49.3 | — | 41.8 | 47.1 | 49.0 | 50.8 | 48.3 | — | 53.7 | 49.6 | — | 45.1 | 52.2 | — | 50.9 | 49.3 | — |
| Number | 5 | 5 | — | 15 | 132 | 24 | 37 | 37 | — | 38 | 37 | — | 32 | 35 | — | 24 | 25 | — |
| Local Mean Difference | — | — | — | -5.2 | — | — | 2.5 | — | — | 4.1 | — | — | -7.1 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -7.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| PARENT LOCUS | 54.3 | 55.2 | — | 57.4 | 50.7 | 54.1 | 53.6 | 57.0 | — | 50.5 | 50.5 | — | 50.5 | 55.1 | — | 59.6 | 62.5 | — |
| Number | 5 | 5 | — | 15 | 132 | 24 | 37 | 37 | — | 38 | 37 | — | 32 | 35 | — | 24 | 25 | — |
| Local Mean Difference | — | — | — | 6.7 | — | — | -3.4 | — | — | — | — | — | -4.6 | — | — | -2.9 | — | — |
| Best Match Mean Difference | — | — | — | 3.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| SCH HELPED PERSONALLY | 52.9 | 49.3 | — | 51.4 | 49.1 | 50.7 | 54.1 | 51.2 | — | 52.5 | 42.9 | — | 53.6 | 51.1 | — | 53.0 | 47.2 | — |
| Number | 5 | 5 | — | 15 | 133 | 24 | 37 | 37 | — | 38 | 37 | — | 32 | 35 | — | 24 | 25 | — |
| Local Mean Difference | 3.6 | — | — | — | — | — | 2.9 | — | — | 4.6 | — | — | — | — | — | 5.8 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 2.9 | — | — | — | — | — | — | — | — | — | — | — |
| PARENT-CHILD INTERACTION | 45.5 | 48.1 | — | 45.5 | 51.6 | 44.1 | 47.5 | 49.9 | — | 45.7 | 43.5 | — | 46.6 | 42.7 | — | 42.3 | 47.7 | — |
| Number | 5 | 5 | — | 15 | 133 | 24 | 37 | 37 | — | 38 | 37 | — | 32 | 35 | — | 24 | 25 | — |
| Local Mean Difference | -2.5 | — | — | -6.1 | — | — | — | — | — | — | — | — | — | — | — | -5.3 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| BEST MATCHED SITE | | | | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

## Table C13-IIIK-6

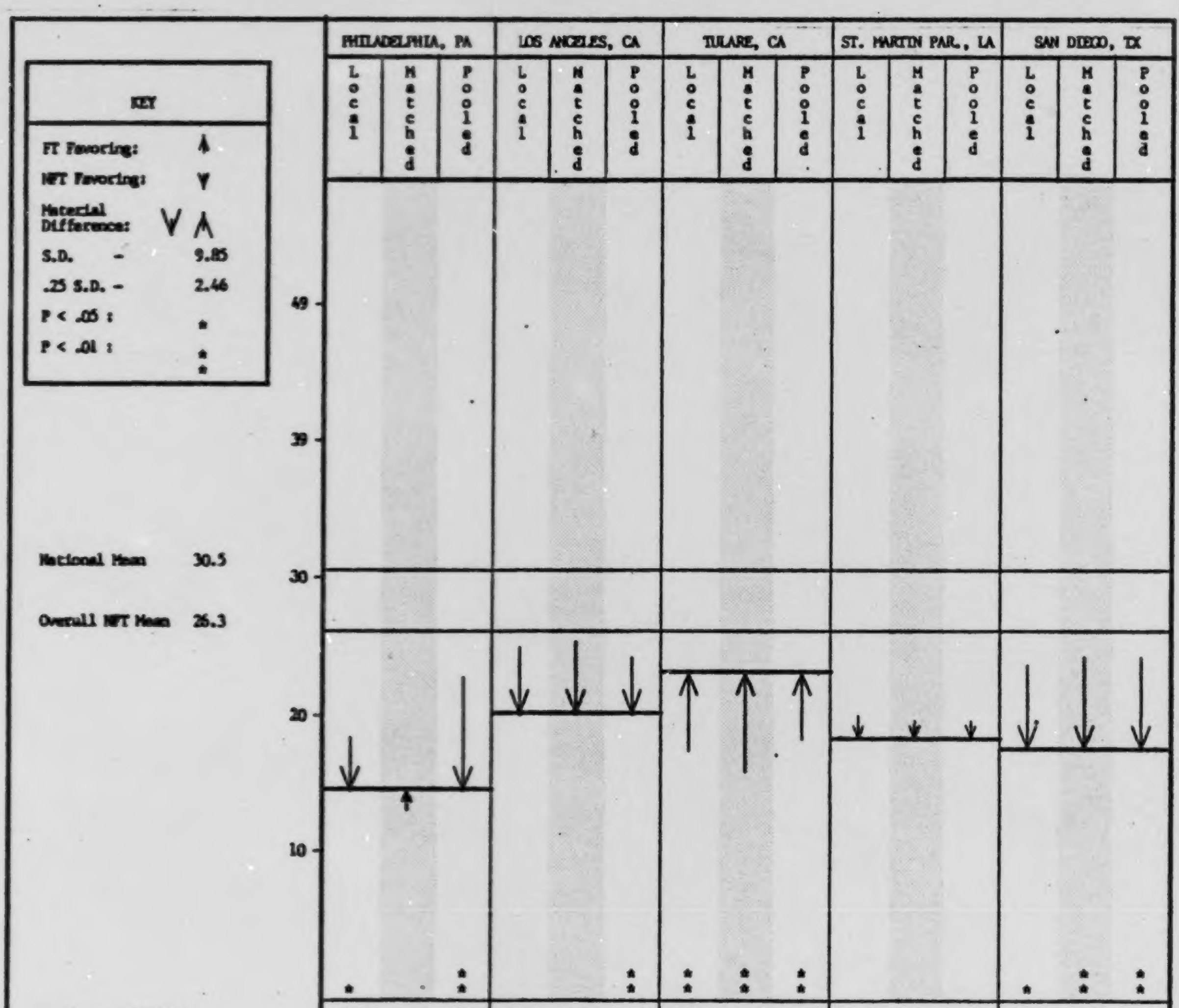
## PROPORTION OF ATTRITION AND DESCRIPTIVE INFORMATION FOR SEDL MODEL

| | Philadelphia, PA | | Los Angeles, CA | | Tulare, CA | | St. Martin Parish, LA | | San Diego, TX | |
|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| NUMBER | | | | | | | | | | |
| Total Registration N | 241 | 1686 | 341 | 160 | 284 | 183 | 169 | 150 | 108 | 65 |
| Children Retained (Analytic Sample) N | 70 | 459 | 133 | 37 | 144 | 75 | 118 | 89 | 82 | 42 |
| Children Not Retained (Program and Sample Attrition) N | 171 | 1227 | 208 | 123 | 140 | 108 | 51 | 61 | 26 | 23 |
| %* | 71 | 73 | 61 | 77 | 49 | 59 | 30 | 41 | 24 | 35 |
| Children Not Retained (Sample Attrition) N | 14 | 252 | 19 | 7 | 12 | 5 | 20 | 7 | 9 | 6 |
| %* | 6 | 15 | 6 | 4 | 4 | 3 | 12 | 5 | 8 | 9 |
| WRAT | | | | | | | | | | |
| Total Registration | | | | | | | | | | |
| Mean | 22.7 | 26.5 | 35.0 | 32.9 | 21.4 | 23.6 | 22.3 | 23.3 | 18.6 | 21.2 |
| Standard Deviation | 9.6 | 12.1 | 12.4 | 11.7 | 12.2 | 10.0 | 9.8 | 10.3 | 12.3 | 11.6 |
| Number | 143 | 1439 | 309 | 134 | 240 | 155 | 163 | 135 | 95 | 60 |
| Children Retained (Analytic Sample) Mean | 22.6 | 26.9 | 37.1 | 32.8 | 24.0 | 27.7 | 22.9 | 22.5 | 19.2 | 22.8 |
| Standard Deviation | 9.5 | 11.4 | 11.6 | 10.2 | 12.0 | 9.6 | 9.3 | 9.8 | 12.4 | 9.8 |
| Number | 49 | 43.8 | 128 | 32 | 136 | 74 | 114 | 89 | 76 | 41 |
| Children Not Retained (Program and Sample Attrition) Mean | 22.7 | 26.3 | 33.6 | 33.0 | 18.0 | 19.9 | 20.8 | 24.9 | 16.1 | 17.6 |
| Standard Deviation | 9.7 | 12.3 | 12.9 | 12.1 | 11.6 | 8.8 | 10.7 | 11.1 | 11.9 | 14.4 |
| Number | 94 | 1001 | 181 | 102 | 104 | 81 | 49 | 46 | 19 | 19 |
| Children Not Retained (Sample Attrition) Mean | 13.7 | 27.5 | 25.6 | 46.5 | 11.5 | 28.2 | 14.8 | 22.2 | 6.8 | 11.5 |
| Standard Deviation | 10.5 | 12.2 | 15.2 | 9.8 | 11.1 | 8.2 | 5.9 | 11.1 | 10.8 | 9.0 |
| Number | 14 | 244 | 19 | 7 | 12 | 5 | 20 | 7 | 9 | 6 |
| INCOME | | | | | | | | | | |
| Total Registration | | | | | | | | | | |
| Mean | 4335 | 5605 | 5667 | 5515 | 4883 | 5292 | 4334 | 4903 | 3451 | 4473 |
| Standard Deviation | 2025 | 2648 | 2588 | 2516 | 2513 | 2636 | 2788 | 2752 | 1822 | 2486 |
| Number | 52 | 232 | 111 | 124 | 88 | 141 | 105 | 112 | 98 | 64 |
| Children Retained (Analytic Sample) Mean | 4424 | 5407 | 5240 | 4569 | 5161 | 5515 | 4508 | 5034 | 3527 | 4698 |
| Standard Deviation | 2406 | 2789 | 2275 | 2018 | 2459 | 2824 | 2867 | 2561 | 1715 | 2350 |
| Number | 21 | 54 | 43 | 29 | 51 | 71 | 76 | 67 | 77 | 41 |
| Children Not Retained (Program and Sample Attrition) Mean | 4274 | 5665 | 5938 | 5804 | 4500 | 5066 | 3879 | 4709 | 3171 | 4074 |
| Standard Deviation | 1762 | 2608 | 2750 | 2590 | 2570 | 2429 | 2560 | 3034 | 2194 | 2721 |
| Number | 31 | 178 | 68 | 95 | 37 | 70 | 29 | 45 | 21 | 23 |
| Children Not Retained (Sample Attrition) Mean | 4033 | 5855 | 6416 | 6899 | 4950 | 5200 | 2700 | 3614 | 2566 | 4400 |
| Standard Deviation | 763 | 2538 | 2777 | 2588 | 1060 | 2393 | 1039 | 2208 | 1754 | 2675 |
| Number | 3 | 58 | 6 | 6 | 2 | 4 | 14 | 7 | 9 | 6 |

*Percent of Total Registration.

# Table C13-IIIK-7

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT WORD KNOWLEDGE
FOR COHORT III KINDERGARTEN SITES
IN THE SEDL MODEL



| | PHILADELPHIA, PA Local | PHILADELPHIA, PA Matched | PHILADELPHIA, PA Pooled | LOS ANGELES, CA Local | LOS ANGELES, CA Matched | LOS ANGELES, CA Pooled | TULARE, CA Local | TULARE, CA Matched | TULARE, CA Pooled | ST. MARTIN PAR., LA Local | ST. MARTIN PAR., LA Matched | ST. MARTIN PAR., LA Pooled | SAN DIEGO, TX Local | SAN DIEGO, TX Matched | SAN DIEGO, TX Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -3.77 | 1.37 | -8.02 | -4.75 | -5.09 | -4.03 | 5.66 | 7.20 | 4.85 | -1.59 | -1.20 | -1.25 | -5.97 | -6.60 | -6.55 |
| Standard Error | 1.82 | 3.85 | 1.01 | 2.44 | 2.77 | 0.78 | 2.06 | 2.42 | 0.90 | 1.81 | 1.28 | 0.71 | 2.46 | 1.63 | 0.91 |
| FT Mean | 14.66 | | | 20.19 | | | 23.11 | | | 18.35 | | | 17.59 | | |
| No. of FT Children | 70 | | | 133 | | | 144 | | | 118 | | | 82 | | |
| Matched NFT Site | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

## Table C13-IIIK-8

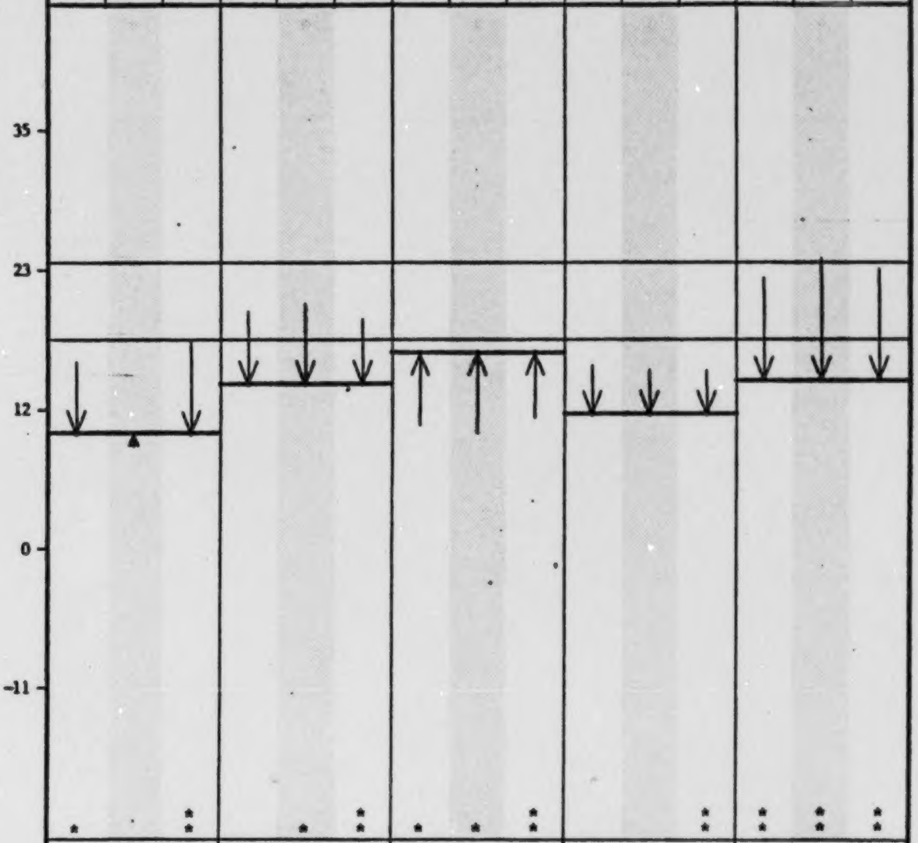
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT
### ON THE MAT SPELLING
### FOR COHORT III KINDERGARTEN SITES
### IN THE SEDL MODEL

**KEY**

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ⋎ ⋏
S.D. - 11.60
.25 S.D. - 2.90
P < .05 : *
P < .01 : **

National Mean 24.0

Overall NFT Mean 18.4



| | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR., LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | * | | ** | | * | ** | * | * | ** | | | ** | ** | ** | ** |
| Magnitude of Effect | -5.95 | 0.46 | -7.68 | -6.10 | -6.59 | -5.28 | 5.94 | 6.64 | 5.36 | -3.97 | -3.61 | -3.65 | -8.74 | -10.29 | -9.24 |
| Standard Error | 2.37 | 4.84 | 1.24 | 3.17 | 3.28 | 0.90 | 2.68 | 2.80 | 0.94 | 2.36 | 1.97 | 1.06 | 3.19 | 2.15 | 1.16 |
| FT Mean | 10.04 | | | 14.07 | | | 16.56 | | | 11.56 | | | 14.18 | | |
| No. of FT Children | 70 | | | 133 | | | 144 | | | 118 | | | 82 | | |
| Matched NFT Site | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

# Table C13-IIIK-9

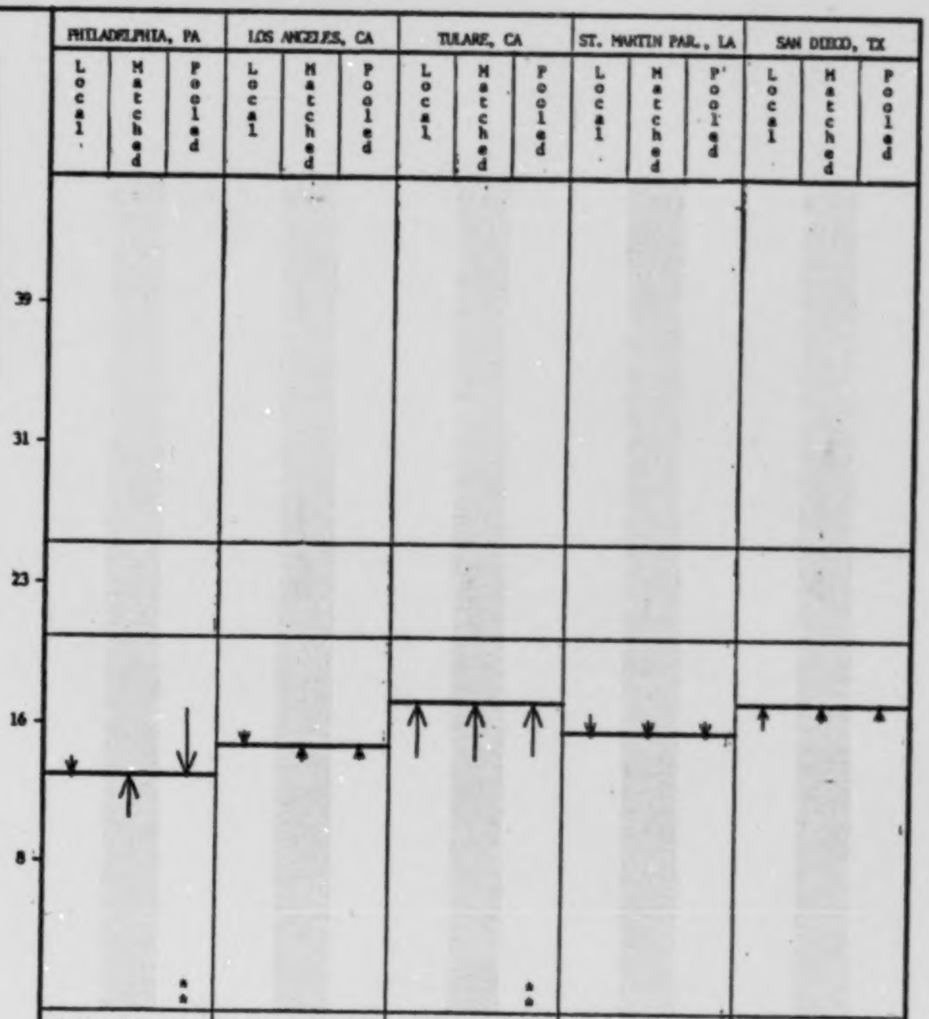
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE FOR COHORT III KINDERGARTEN SITES IN THE SEDL MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. = | 7.75 |
| .25 S.D. = | 1.94 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 26.0

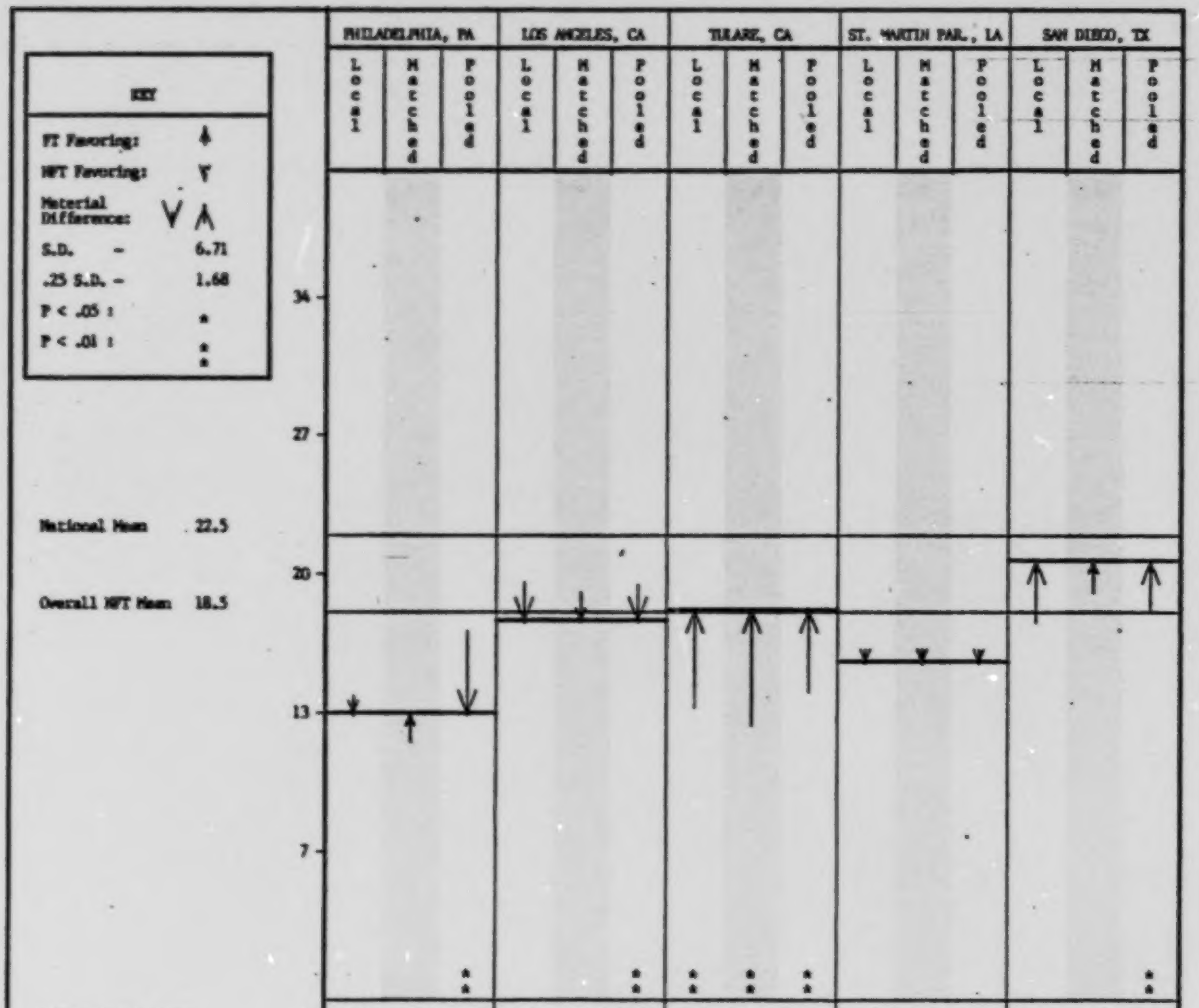
Overall NFT Mean 20.6



| | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR., LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.03 | 2.27 | -3.69 | -0.37 | 0.14 | 0.24 | 2.92 | 3.10 | 2.82 | -1.07 | -0.84 | -0.70 | 1.27 | 0.82 | 0.66 |
| Standard Error | 1.36 | 2.79 | 0.77 | 1.82 | 1.65 | 0.48 | 1.54 | 1.83 | 0.62 | 1.35 | 0.95 | 0.51 | 1.83 | 1.51 | 0.90 |
| FT Mean | 12.71 | | | 14.49 | | | 16.83 | | | 15.17 | | | 16.89 | | |
| No. of FT Children | 70 | | | 133 | | | 144 | | | 118 | | | 82 | | |
| Matched NFT Site | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

## Table C13-IIIK-10

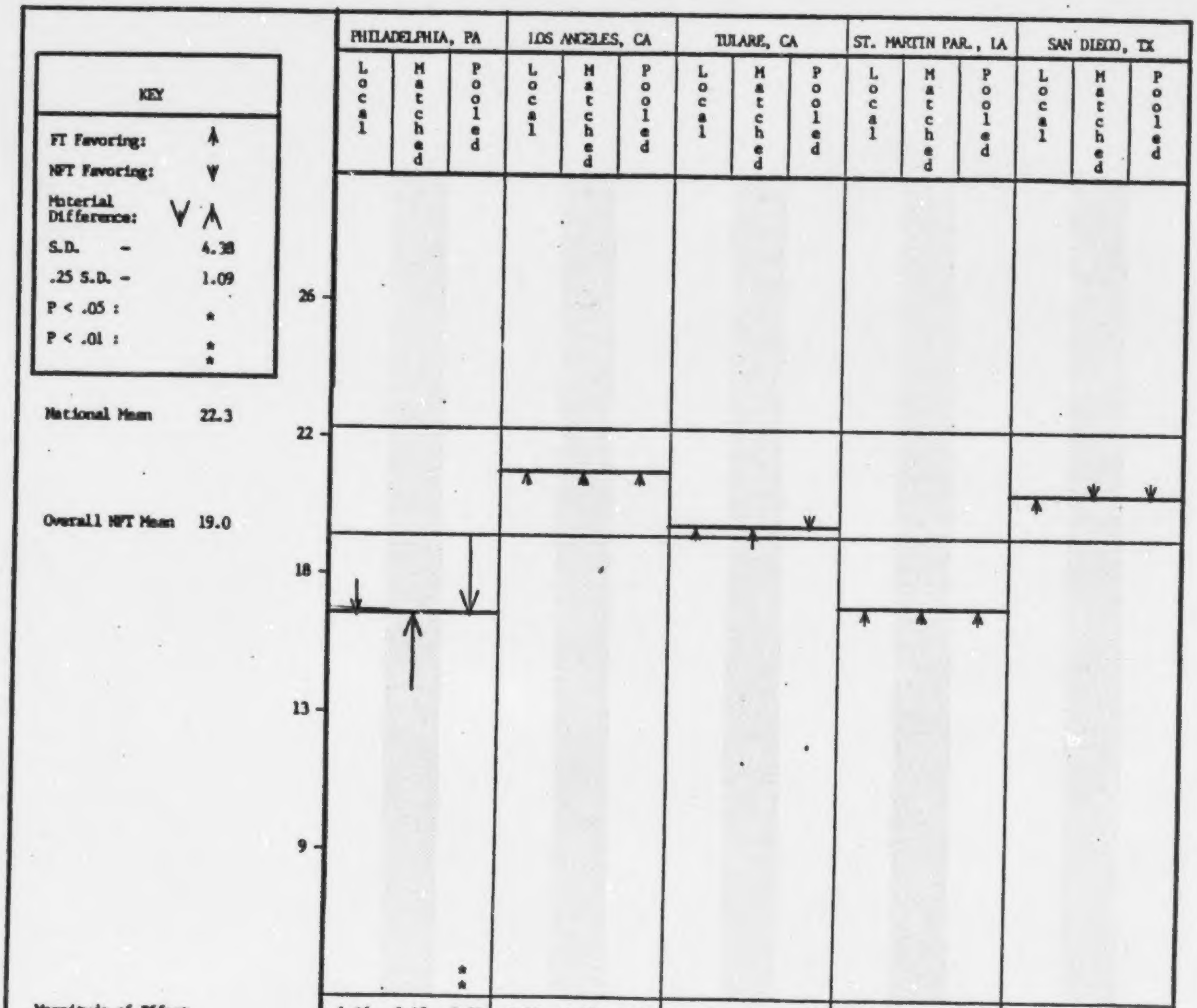
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT MATHEMATICS COMPUTATIONS
FOR COHORT III KINDERGARTEN SITES
IN THE SEDL MODEL



| | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR., LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.89 | 1.28 | -3.98 | -1.90 | -1.30 | -1.74 | 4.66 | 5.53 | 3.95 | -0.09 | -0.06 | -0.04 | 2.95 | 1.49 | 2.43 |
| Standard Error | 1.34 | 2.33 | 0.58 | 1.79 | 1.94 | 0.53 | 1.51 | 1.74 | 0.83 | 1.33 | 1.07 | 0.52 | 1.80 | 1.32 | 0.77 |
| FT Mean | 13.57 | | | 18.09 | | | 18.57 | | | 16.04 | | | 20.94 | | |
| No. of FT Children | 70 | | | 133 | | | 144 | | | 118 | | | 82 | | |
| Matched NFT Site | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

## Table C13-IIIK-11

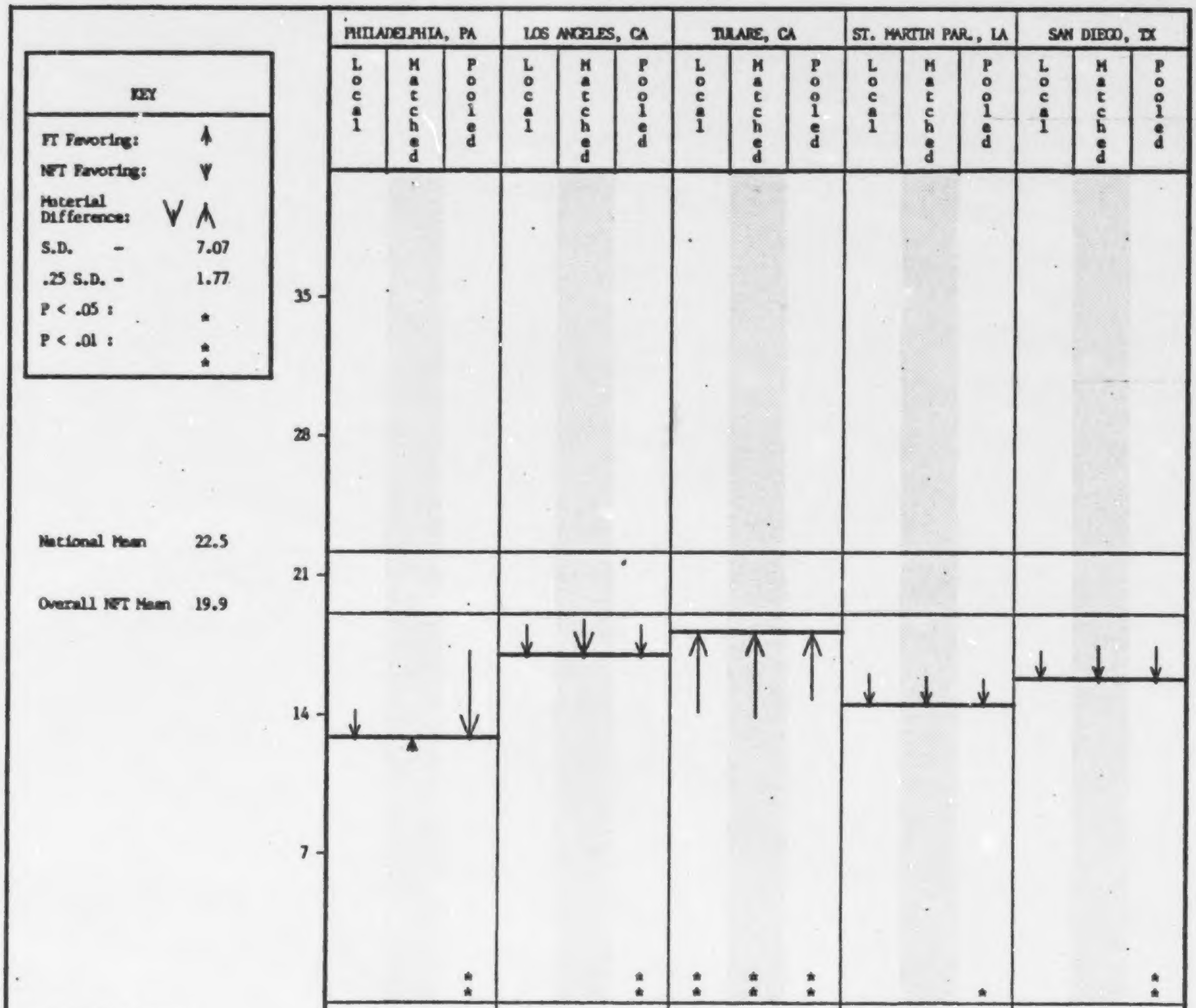
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE RAVEN S PROGRESSIVE MATRICES FOR COHORT III KINDERGARTEN SITES IN THE SEDL MODEL



| | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR., LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.06 | 2.45 | -2.53 | 0.22 | 0.17 | 0.48 | 0.46 | 0.63 | -0.41 | 0.32 | 0.36 | 0.30 | 0.07 | -0.22 | -0.24 |
| Standard Error | 0.91 | 2.19 | 0.57 | 1.22 | 1.35 | 0.37 | 1.03 | 1.10 | 0.38 | 0.91 | 0.73 | 0.40 | 1.23 | 0.90 | 0.50 |
| FT Mean | 16.31 | | | 20.90 | | | 19.19 | | | 16.59 | | | 20.21 | | |
| No. of FT Children | 70 | | | 133 | | | 144 | | | 118 | | | 82 | | |
| Matched NFT Site | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

## Table C13-IIIK-12

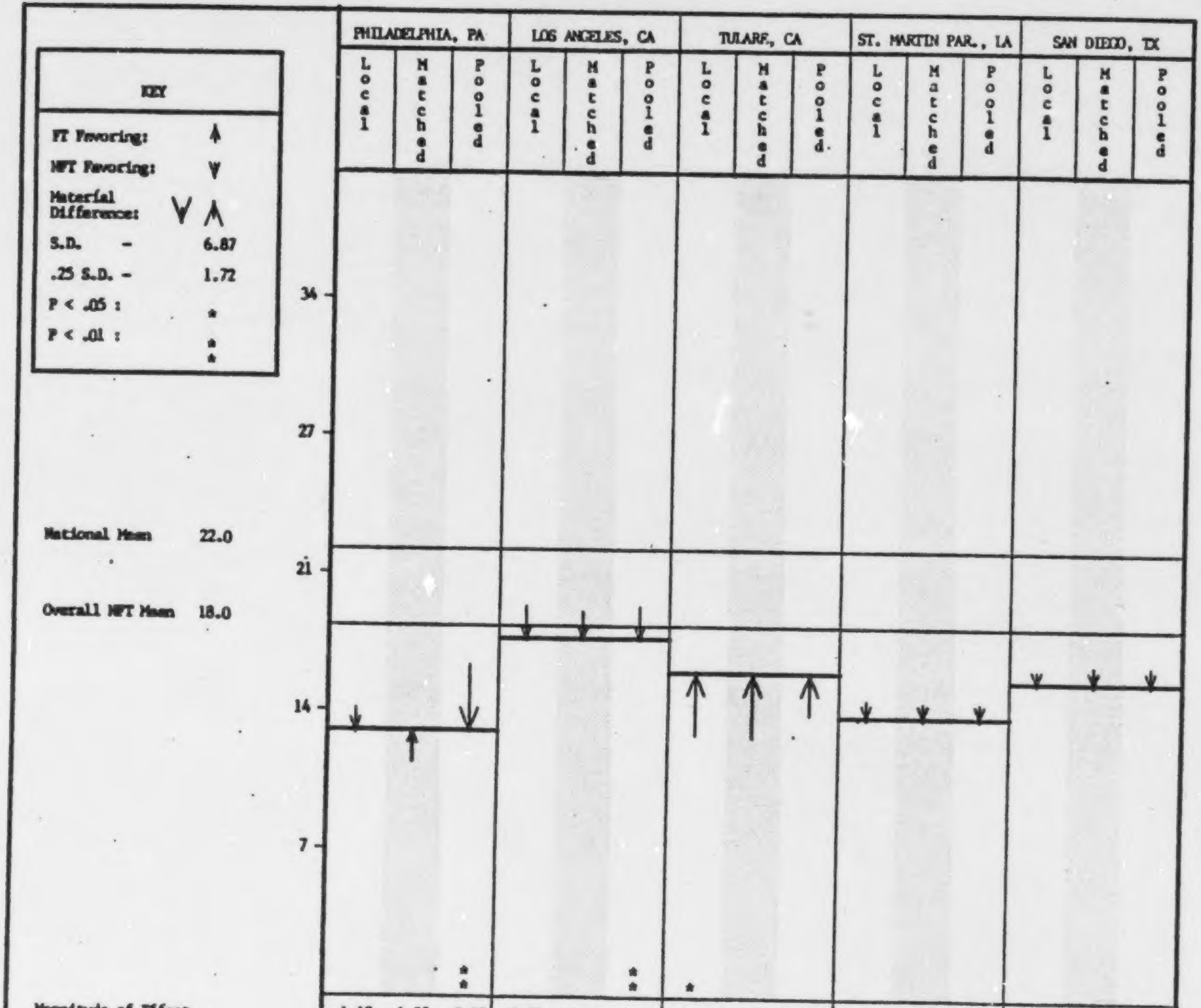
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT READING FOR COHORT III KINDERGARTEN SITES IN THE SFDL MODEL



| | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR., LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.47 | 0.53 | -4.49 | -1.56 | -1.91 | -1.65 | 4.15 | 4.38 | 3.46 | -1.47 | -1.33 | -1.21 | -1.44 | -1.71 | -1.74 |
| Standard Error | 1.27 | 2.55 | 0.73 | 1.70 | 2.03 | 0.58 | 1.44 | 1.69 | 0.73 | 1.26 | 0.94 | 0.50 | 1.72 | 1.25 | 0.67 |
| FT Mean | 13.16 | | | 17.29 | | | 18.55 | | | 14.91 | | | 16.11 | | |
| No. of FT Children | 70 | | | 133 | | | 144 | | | 118 | | | 82 | | |
| Matched NFT Site | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

## Table C13-IIIK-13

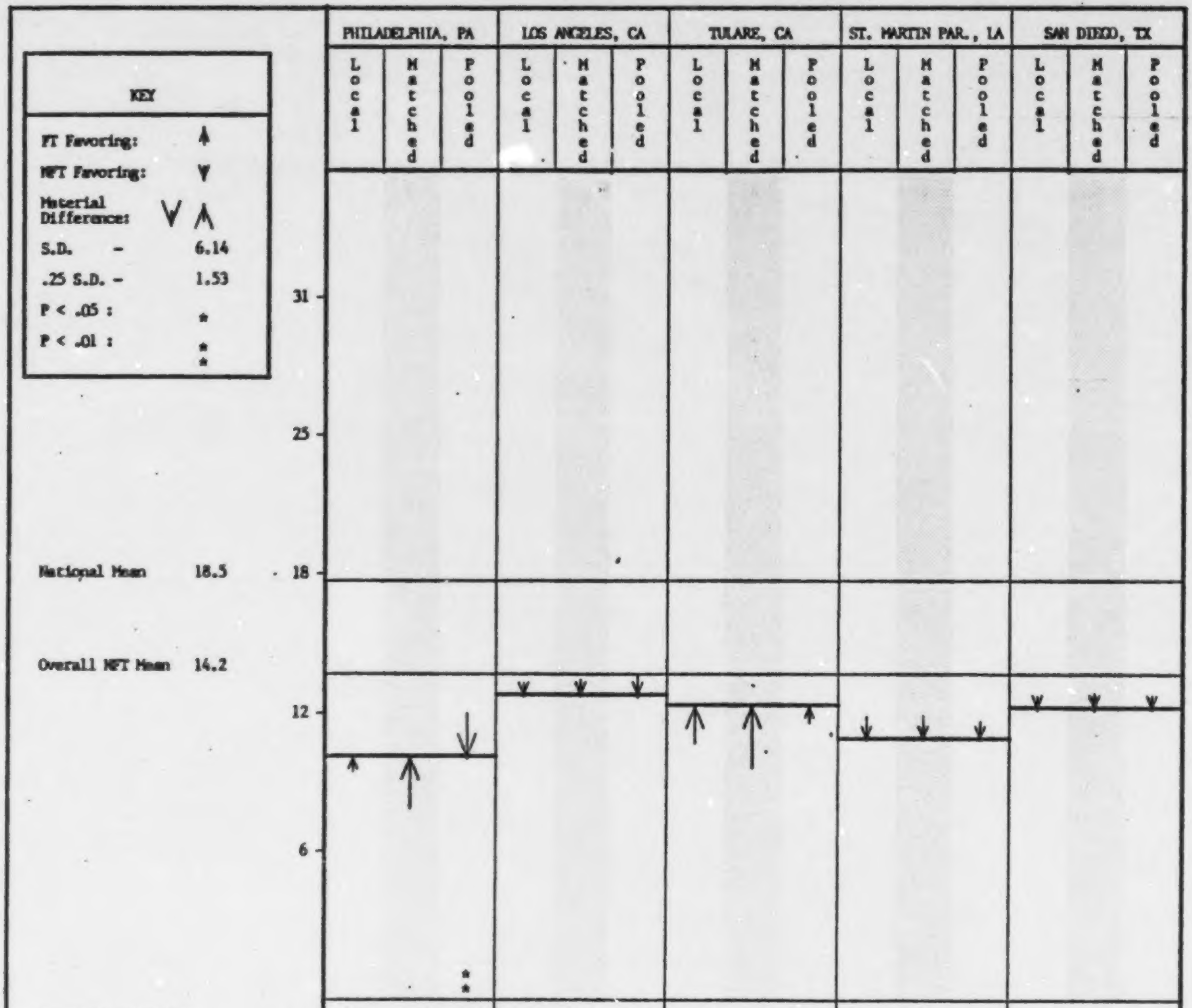
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS CONCEPTS FOR COHORT III KINDERGARTEN SITES IN THE SEDL MODEL



| | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR., LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.18 | 1.55 | -3.28 | -1.62 | -1.33 | -1.59 | 3.00 | 3.12 | 2.04 | -0.96 | -0.85 | -0.86 | -0.43 | -0.89 | -0.93 |
| Standard Error | 1.32 | 2.40 | 0.60 | 1.77 | 2.09 | 0.59 | 1.49 | 1.70 | 1.06 | 1.31 | 0.96 | 0.52 | 1.78 | 1.04 | 0.61 |
| FT Mean | 12.89 | | | 17.51 | | | 15.78 | | | 13.62 | | | 15.43 | | |
| No. of FT Children | 70 | | | 133 | | | 144 | | | 118 | | | 32 | | |
| Matched NFT Site | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

## Table C13-IIIK-14

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT III KINDERGARTEN SITES IN THE SEDL MODEL



| | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR., LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.06 | 2.22 | -1.95 | -0.61 | -0.34 | -0.80 | 1.79 | 2.76 | 0.77 | -0.95 | -0.92 | -0.73 | -0.37 | -0.73 | -0.49 |
| Standard Error | 1.13 | 1.88 | 0.50 | 1.52 | 1.80 | 0.51 | 1.28 | 1.56 | 1.49 | 1.12 | 0.79 | 0.42 | 1.53 | 1.12 | 0.61 |
| FT Mean | 10.47 | | | 13.25 | | | 12.82 | | | 11.36 | | | 12.62 | | |
| No. of FT Children | 70 | | | 133 | | | 144 | | | 118 | | | 82 | | |
| Matched NFT Site | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

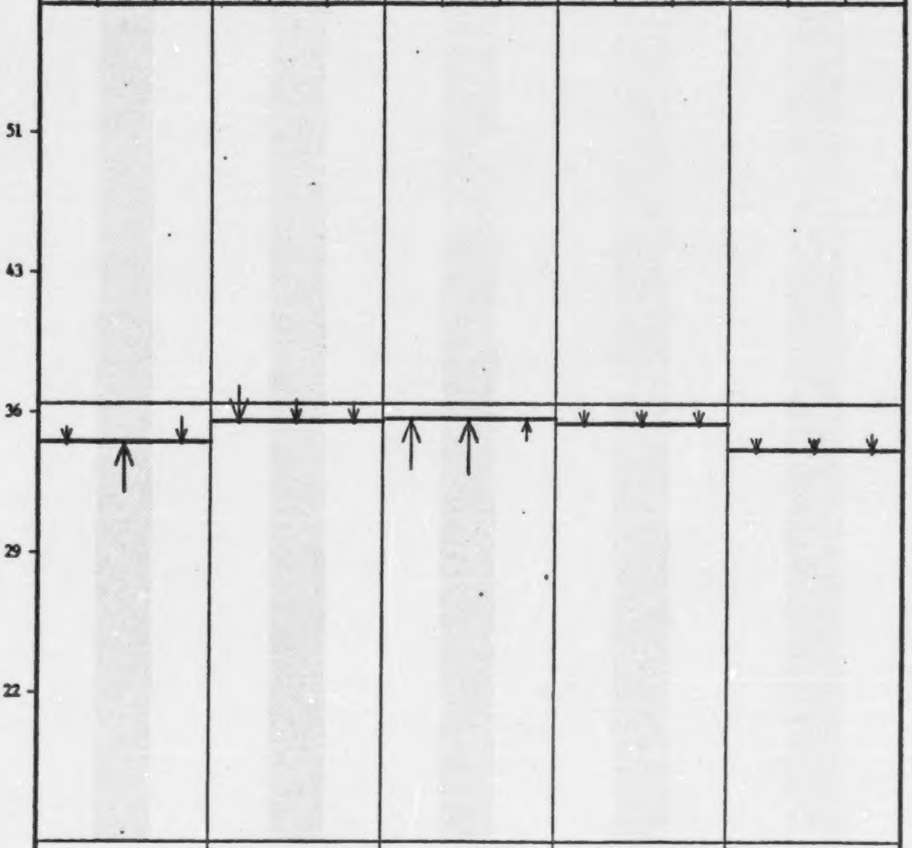
## Table C13-IIIK-15

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT III KINDERGARTEN SITES IN THE SEDL MODEL

**KEY**

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ↓ ↑
S.D. - 7.22
.25 S.D. - 1.80
P < .05 : *
P < .01 : **

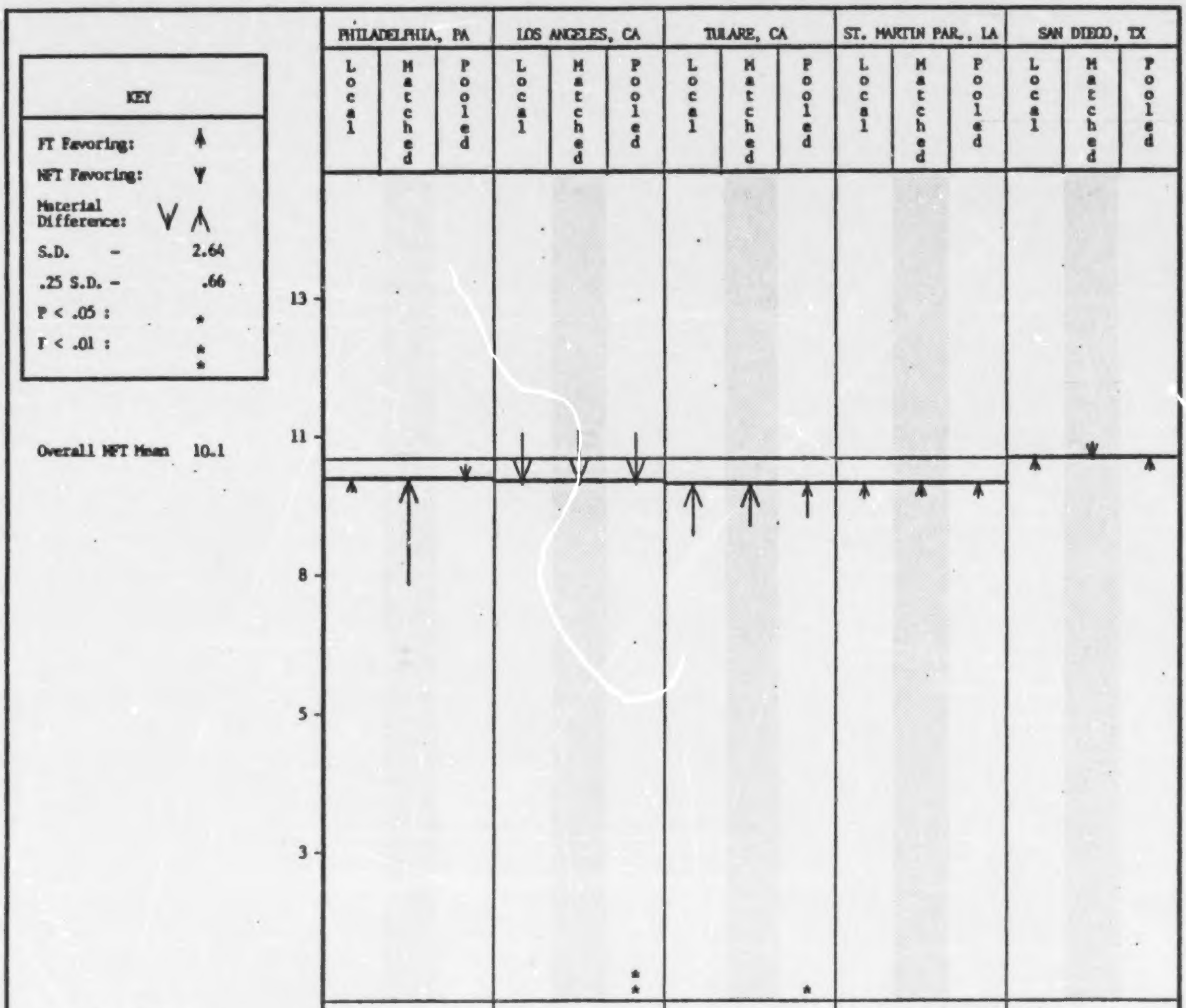
Overall NFT Mean 36.6



| | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR., LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.86 | 2.55 | -1.32 | -1.81 | -1.09 | -1.02 | 2.55 | 2.85 | 1.12 | -0.60 | -0.51 | -0.66 | -0.25 | -0.45 | -0.95 |
| Standard Error | 1.47 | 3.83 | 0.81 | 1.97 | 2.14 | 0.61 | 1.66 | 1.70 | 0.85 | 1.46 | 1.21 | 0.58 | 1.98 | 1.36 | 0.73 |
| FT Mean | 34.66 | | | 35.80 | | | 35.87 | | | 35.61 | | | 34.21 | | |
| No. of FT Children | 70 | | | 133 | | | 144 | | | 118 | | | 82 | | |
| Matched NFT Site | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

## Table C13-IIIK-16

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT III KINDERGARTEN SITES IN THE SEDL MODEL

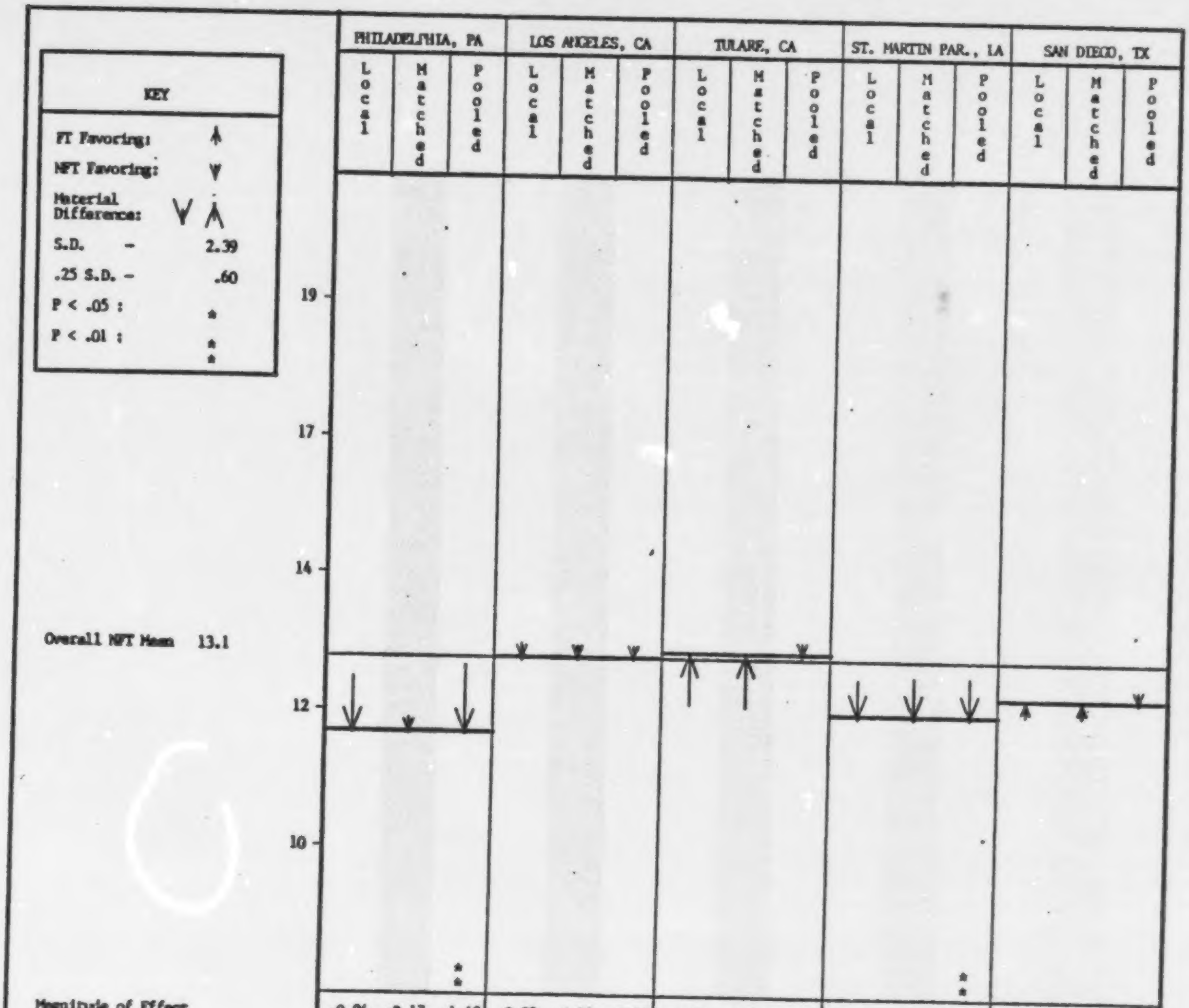


| | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR., LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.25 | 2.03 | -0.12 | -0.94 | -0.99 | -0.93 | 0.97 | 0.75 | 0.63 | 0.19 | 0.27 | 0.19 | 0.04 | -0.01 | 0.04 |
| Standard Error | 0.57 | 1.23 | 0.29 | 0.76 | 0.80 | 0.23 | 0.64 | 0.67 | 0.28 | 0.56 | 0.47 | 0.23 | 0.76 | 0.50 | 0.27 |
| FT Mean | 9.80 | | | 9.72 | | | 9.68 | | | 9.70 | | | 10.20 | | |
| No. of FT Children | 70 | | | 133 | | | 144 | | | 118 | | | 82 | | |
| Matched NFT Site | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

**COHORT III-K STUDY**
**Non-Preschool Adjusted**

## Table C13-IIIK-17

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE
FOR COHORT III KINDERGARTEN SITES
IN THE SEDL MODEL



| | PHILADELPHIA, PA Local | PHILADELPHIA, PA Matched | PHILADELPHIA, PA Pooled | LOS ANGELES, CA Local | LOS ANGELES, CA Matched | LOS ANGELES, CA Pooled | TULARE, CA Local | TULARE, CA Matched | TULARE, CA Pooled | ST. MARTIN PAR., LA Local | ST. MARTIN PAR., LA Matched | ST. MARTIN PAR., LA Pooled | SAN DIEGO, TX Local | SAN DIEGO, TX Matched | SAN DIEGO, TX Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.94 | -0.17 | -1.18 | -0.28 | -0.18 | -0.23 | 0.87 | 0.92 | -0.07 | -0.69 | -0.71 | -0.71 | 0.04 | 0.02 | -0.11 |
| Standard Error | 0.52 | 1.39 | 0.33 | 0.69 | 0.70 | 0.19 | 0.58 | 0.62 | 0.57 | 0.51 | 0.43 | 0.24 | 0.70 | 0.51 | 0.27 |
| FT Mean | 11.66 | | | 12.97 | | | 13.04 | | | 11.98 | | | 12.31 | | |
| No. of FT Children | 70 | | | 133 | | | 144 | | | 118 | | | 82 | | |
| Matched NFT Site | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

## Table C13-IIIK-18

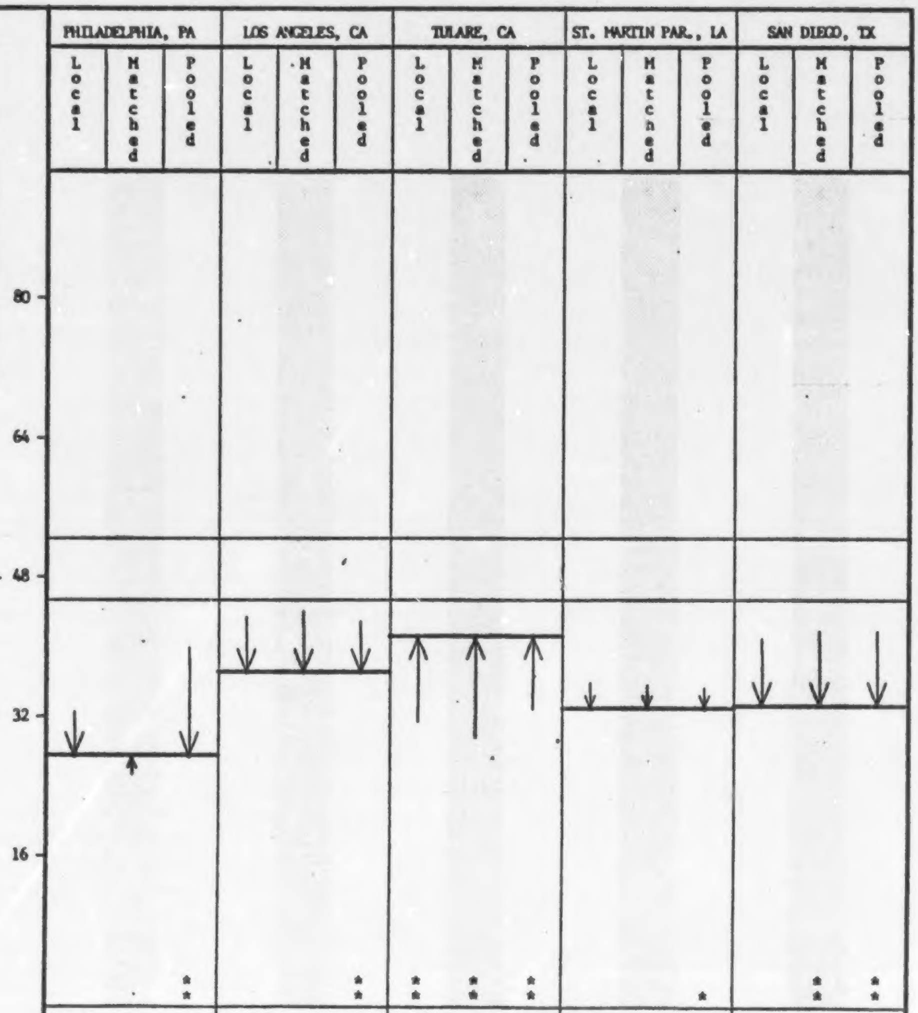
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL READING FOR COHORT III KINDERGARTEN SITES IN THE SEDL MODEL

**KEY**

- FT Favoring: ↑
- NFT Favoring: ↓
- Material Difference: ⋎ ⋏
- S.D. - 15.96
- .25 S.D. - 3.99
- P < .05 : *
- P < .01 : **

National Mean 53.0

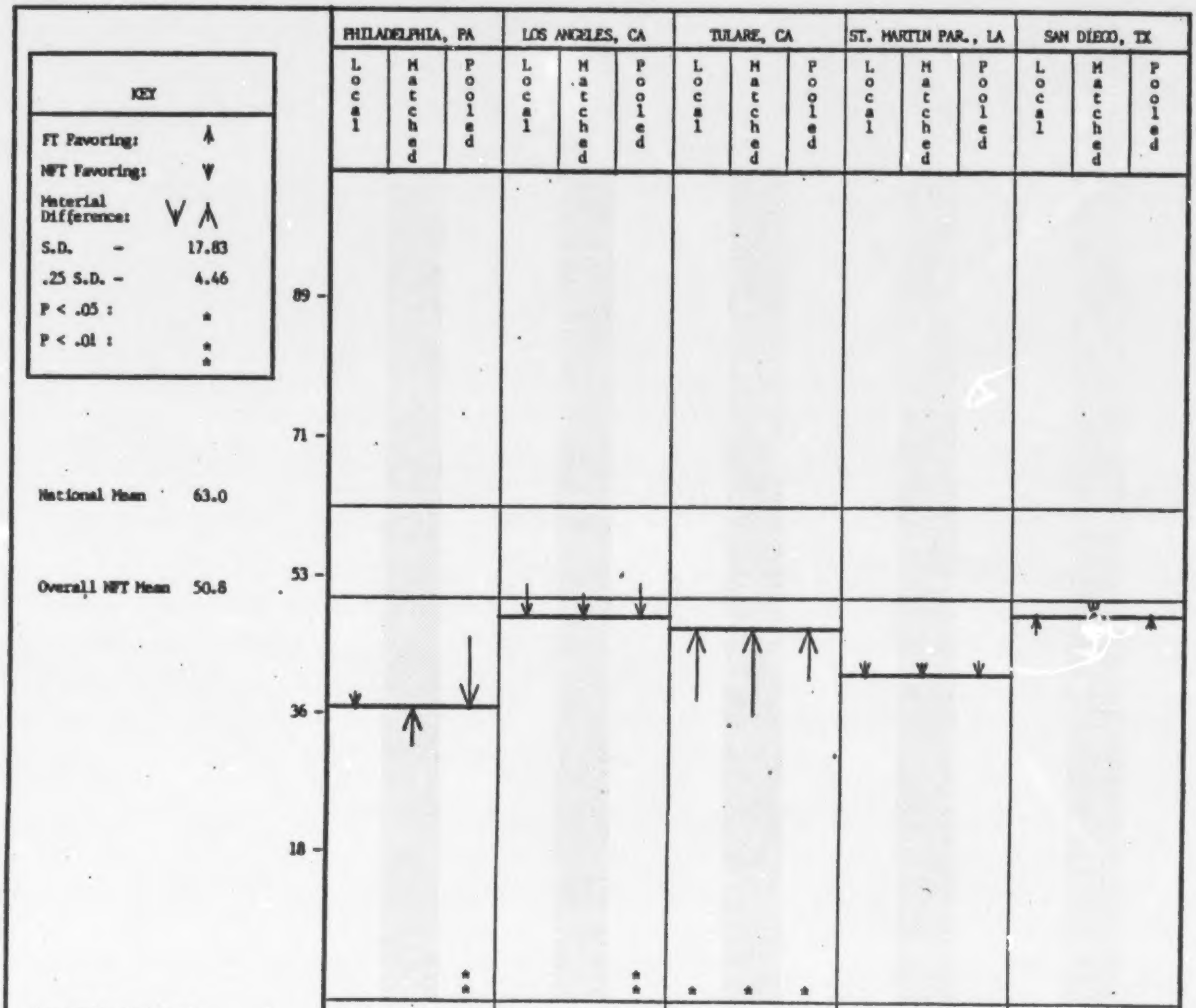
Overall NFT Mean 46.1



| | Philadelphia, PA | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -5.24 | 1.90 | -12.51 | -6.31 | -7.01 | -5.68 | 9.81 | 11.58 | 8.31 | -3.06 | -2.53 | -2.46 | -7.41 | -8.31 | -8.29 |
| Standard Error | 2.87 | 5.65 | 1.48 | 3.84 | 4.50 | 1.27 | 3.24 | 3.87 | 1.56 | 2.85 | 2.05 | 1.10 | 3.86 | 2.70 | 1.49 |
| FT Mean | 27.81 | | | 37.48 | | | 41.66 | | | 33.25 | | | 33.70 | | |
| No. of FT Children | 70 | | | 133 | | | 144 | | | 118 | | | 82 | | |
| Matched NFT Site | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

# Table C13-IIIK-19

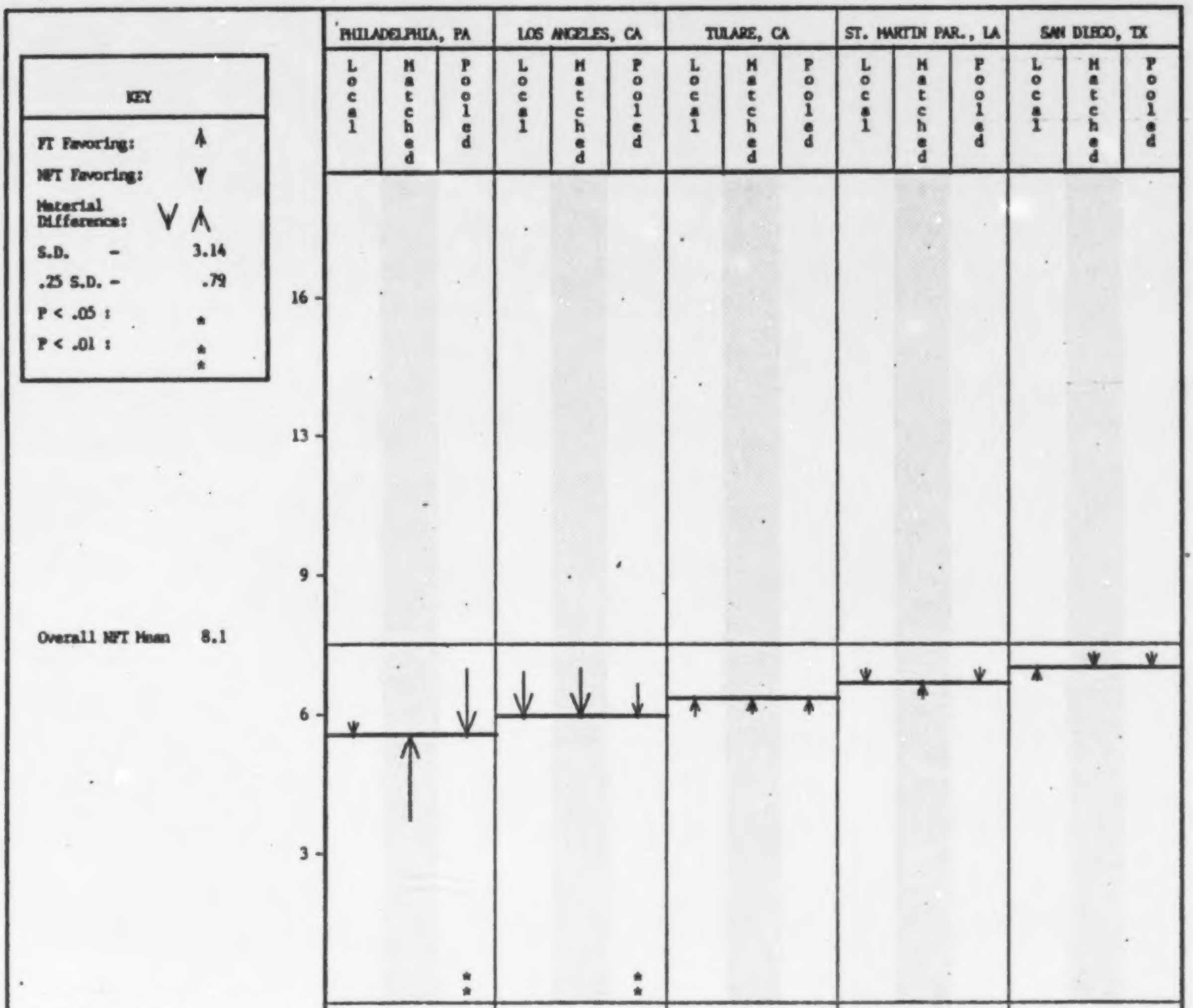
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL MATH FOR COHORT III KINDERGARTEN SITES IN THE SEDL MODEL



| | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR., LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -2.01 | 5.05 | -9.19 | -4.13 | -2.97 | -4.12 | 9.45 | 11.41 | 6.78 | -2.00 | -1.83 | -1.61 | 2.15 | -0.13 | 1.05 |
| Standard Error | 3.35 | 5.30 | 1.35 | 4.47 | 5.15 | 1.43 | 3.77 | 4.46 | 3.23 | 3.32 | 2.43 | 1.24 | 4.50 | 3.08 | 1.76 |
| FT Mean | 36.93 | | | 48.85 | | | 47.17 | | | 41.02 | | | 48.99 | | |
| No. of FT Children | 70 | | | 133 | | | 144 | | | 118 | | | 82 | | |
| Matched NFT Site | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

## Table C13-IIIK-20

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT III KINDERGARTEN SITES IN THE SEDL MODEL



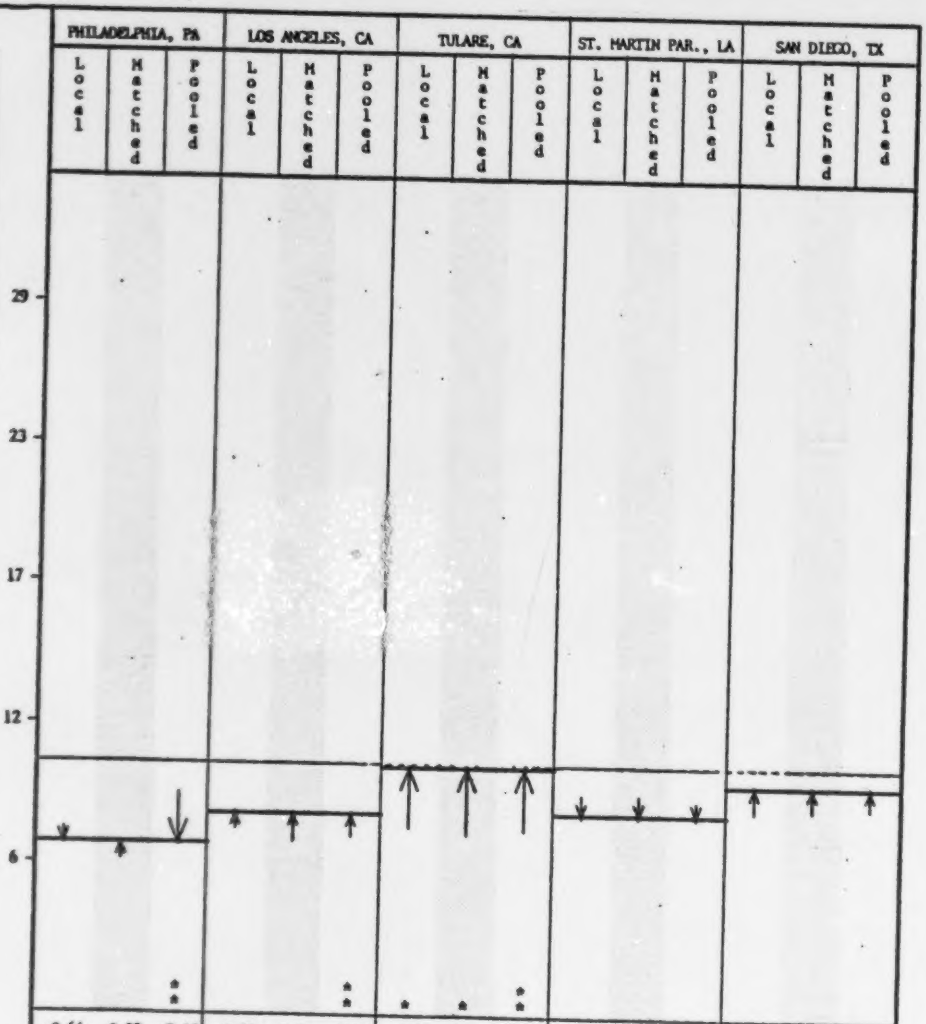
| | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR., LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.38 | 1.89 | -1.54 | -1.05 | -1.07 | -0.73 | 0.42 | 0.25 | 0.21 | -0.11 | 0.11 | -0.06 | 0.18 | -0.21 | -0.22 |
| Standard Error | 0.61 | 1.27 | 0.36 | 0.82 | 0.83 | 0.24 | 0.69 | 0.75 | 0.23 | 0,61 | 0.48 | 0.26 | 0.83 | 0.56 | 0.34 |
| FT Mean | 5.89 | | | 6.34 | | | 6.72 | | | 7.08 | | | 7.42 | | |
| No. of FT Children | 70 | | | 133 | | | 144 | | | 118 | | | 82 | | |
| Matched NFT Site | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

## Table C13-IIIK-21

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT III KINDERGARTEN SITES IN THE SEDL MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋎ ⋏ |
| S.D. – | 5.82 |
| .25 S.D. – | 1.46 |
| P < .05 : | * |
| P < .01 : | ** |



Overall NFT Mean 10.3

| | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR., LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | | ** | | | ** | * | * | ** | | | | | | |
| Magnitude of Effect | -0.64 | 0.38 | -2.15 | 0.69 | 1.21 | 0.96 | 2.50 | 2.85 | 2.61 | -0.96 | -0.95 | -0.65 | 1.09 | 1.03 | 0.88 |
| Standard Error | 1.01 | 2.14 | 0.54 | 1.35 | 1.23 | 0.37 | 1.14 | 1.40 | 0.48 | 1.00 | 0.69 | 0.37 | 1.36 | 1.13 | 0.65 |
| FT Mean | 6.83 | | | 8.15 | | | 10.12 | | | 8.09 | | | 9.48 | | |
| No. of FT Children | 70 | | | 133 | | | 144 | | | 118 | | | 82 | | |
| Matched NFT Site | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

## Table C13-IIIK-22

## STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN FOR THE SEDL MODEL

| | MAT NORM POPU-LATION | SPONSOR'S SITES | | | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR.,LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 61 | 50.5 | 53.6 | — | 46.8 | 51.9 | 45.5 | 52.2 | 57.0 | — | 55.7 | 51.4 | — | 48.8 | 51.7 | — | 48.8 | 56.0 | — |
| Median Percentile | 50 | 16.0 | 28.0 | 22.0 | 10.0 | 22.0 | 9.0 | 22.0 | 36.0 | 36.0 | 34.0 | 20.0 | 20.0 | 14.0 | 22.0 | 22.0 | 14.0 | 34.0 | 34.0 |
| Grade Equivalent | 3.5 | 2.4 | 2.8 | 2.6 | 2.2 | 2.6 | 2.2 | 2.6 | 3.1 | 3.1 | 3.0 | 2.5 | 2.5 | 2.4 | 2.6 | 2.6 | 2.4 | 3.0 | 3.0 |
| 1 Year or More Below Grade Level | 20 | 53.4 | 40.2 | — | 68.6 | 49.0 | 69.1 | 47.4 | 27.0 | — | 36.1 | 50.7 | — | 60.2 | 48.3 | — | 54.9 | 26.2 | — |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 59.4 | 60.7 | — | 55.5 | 57.7 | 53.2 | 61.7 | 64.7 | — | 60.7 | 57.6 | — | 57.6 | 59.6 | — | 61.5 | 63.8 | — |
| Median Percentile | 50 | 16.0 | 20.0 | 18.0 | 11.0 | 14.0 | 8.0 | 23.0 | 32.0 | 32.0 | 20.0 | 14.0 | 14.0 | 14.0 | 18.0 | 18.0 | 23.0 | 28.0 | 28.0 |
| Grade Equivalent | 3.75 | 2.9 | 3.0 | 3.0 | 2.6 | 2.8 | 2.4 | 3.1 | 3.3 | 3.3 | 3.0 | 2.8 | 2.8 | 2.8 | 3.0 | 3.0 | 3.1 | 3.2 | 3.2 |
| 1 Year or More Below Grade Level | 12 | 41.9 | 38.5 | — | 57.1 | 48.6 | 69.1 | 31.6 | 27.0 | — | 42.4 | 49.3 | — | 49.2 | 43.8 | — | 29.3 | 23.8 | — |
| SPELLING | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 64 | 52.9 | 59.8 | — | 47.5 | 60.2 | 44.8 | 56.0 | 62.0 | — | 57.9 | 54.8 | — | 46.8 | 55.4 | — | 56.5 | 66.5 | — |
| Median Percentile | 50 | 20.0 | 38.0 | 30.0 | 12.0 | 38.0 | 8.0 | 26.0 | 44.0 | 44.0 | 32.0 | 23.0 | 23.0 | 10.0 | 23.0 | 23.0 | 30.0 | 60.0 | 60.0 |
| Grade Equivalent | 3.6 | 2.6 | 3.1 | 2.9 | 2.2 | 3.1 | 2.0 | 2.8 | 3.4 | 3.4 | 2.9 | 2.7 | 2.7 | 2.2 | 2.7 | 2.7 | 2.9 | 4.1 | 4.1 |
| 1 Year or More Below Grade Level | 22 | 51.2 | 33.5 | — | 64.3 | 35.7 | 71.3 | 45.1 | 24.3 | — | 41.0 | 49.3 | — | 59.3 | 43.8 | — | 46.3 | 14.3 | — |
| LANGUAGE | | | | | | | | | | | | | | | | | | | |
| Third Grade Median | 70 | 55.9 | 56.6 | — | 53.8 | 55.3 | 52.5 | 56.1 | 55.3 | — | 56.8 | 56.3 | — | 56.3 | 56.9 | — | 56.7 | 59.1 | — |
| Median Percentile | 50 | 18.0 | 20.0 | 18.0 | 12.0 | 14.0 | 11.0 | 18.0 | 14.0 | 14.0 | 20.0 | 18.0 | 18.0 | 18.0 | 20.0 | 20.0 | 20.0 | 23.0 | 23.0 |
| Grade Equivalent | 4.0 | 2.6 | 2.7 | 2.6 | 2.4 | 2.5 | 2.3 | 2.6 | 2.5 | 2.5 | 2.7 | 2.6 | 2.6 | 2.6 | 2.7 | 2.7 | 2.7 | 2.9 | 2.9 |
| 1 Year or More Below Grade Level | 14 | 71.9 | 71.4 | — | 81.4 | 74.5 | 83.0 | 75.9 | 83.8 | — | 63.2 | 69.3 | — | 72.9 | 67.4 | — | 65.9 | 61.9 | — |
| BEST MATCHED SITE | | | | | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par.,LA | | | San Diego, TX | | |

Table C13-IIIK(PS)-22

### STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN WITH HEADSTART FOR THE SEDL MODEL

| | MAT NORM POPU-LATION | SPONSOR'S SITES | | PHILADEL-PHIA, PA | | LOS ANGELES, CA | | TULARE, CA | | ST. MARTIN PARISH, LA | | SAN DIEGO, TX | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| **TOTAL READING** | | | | | | | | | | | | | |
| Third Grade Median | 61 | 50.7 | 53.4 | 45.5 | 52.9 | 53.1 | 54.8 | 56.6 | 51.5 | 49.0 | 51.6 | 49.2 | 56.0 |
| Median Percentile | 50 | 19 | 26 | 9 | 24 | 24 | 30 | 36 | 22 | 14 | 22 | 14 | 34 |
| Grade Equivalent | 3.5 | 2.6 | 2.8 | 2.2 | 2.7 | 2.7 | 2.9 | 3.1 | 2.6 | 2.4 | 2.6 | 2.4 | 3.0 |
| % 1 Year or More Below Grade Level | 20 | 54 | 41 | 75 | 47 | 45 | 31 | 35 | 50 | 60 | 49 | 54 | 27 |
| **TOTAL MATHEMATICS** | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 59.9 | 60.5 | 56.2 | 58.3 | 62.3 | 63.8 | 61.4 | 57.8 | 57.8 | 58.6 | 61.8 | 63.9 |
| Median Percentile | 50 | 18 | 20 | 11 | 14 | 23 | 28 | 20 | 14 | 14 | 16 | 23 | 28 |
| Grade Equivalent | 3.75 | 2.9 | 3.0 | 2.6 | 2.8 | 3.1 | 3.2 | 3.0 | 2.8 | 2.8 | 2.9 | 3.1 | 3.2 |
| % 1 Year or More Below Grade Level | 12 | 41 | 38 | 54 | 45 | 29 | 27 | 42 | 49 | 49 | 47 | 29 | 24 |
| **SPELLING** | | | | | | | | | | | | | |
| Third Grade Median | 64 | 53.1 | 58.9 | 47.0 | 61.4 | 56.6 | 56.8 | 58.2 | 55.0 | 46.8 | 55.2 | 57.0 | 66.0 |
| Median Percentile | 50 | 22 | 35 | 10 | 40 | 30 | 30 | 32 | 23 | 10 | 23 | 30 | 58 |
| Grade Equivalent | 3.6 | 2.6 | 3.1 | 2.2 | 3.3 | 2.9 | 2.9 | 3.0 | 2.7 | 2.2 | 2.7 | 2.9 | 3.9 |
| % 1 Year or More Below Grade Level | 22 | 50 | 35 | 63 | 34 | 42 | 31 | 40 | 49 | 59 | 44 | 45 | 15 |
| **LANGUAGE** | | | | | | | | | | | | | |
| Third Grade Median | 70 | 56.1 | 56.5 | 54.1 | 55.4 | 56.4 | 54.5 | 56.8 | 56.4 | 56.4 | 57.0 | 56.9 | 59.1 |
| Median Percentile | 50 | 18 | 18 | 12 | 14 | 18 | 14 | 20 | 18 | 18 | 20 | 20 | 23 |
| Grade Equivalent | 4.0 | 2.6 | 2.6 | 2.4 | 2.5 | 2.6 | 2.4 | 2.7 | 2.6 | 2.6 | 2.7 | 2.7 | 2.9 |
| % 1 Year or More Below Grade Level | 14 | 71 | 72 | 77 | 74 | 76 | 88 | 63 | 69 | 73 | 68 | 64 | 61 |

## Table C13-IIIK-23

MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES
USED IN THE ANALYTIC SAMPLE OF THE
COHORT III KINDERGARTEN CHILDREN
FOR THE SEDL MODEL

| | SPONSOR'S SITES | | | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR.,LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | | | | | | | | | | | | | |
| Mean | 25.2 | 26.6 | — | 22.6 | 26.9 | 21.1 | 37.1 | 32.8 | — | 24.0 | 27.7 | — | 22.9 | 22.5 | — | 19.2 | 22.8 | — |
| Standard Deviation | — | — | — | 9.5 | 11.4 | 10.8 | 11.6 | 10.2 | — | 12.0 | 9.6 | — | 9.3 | 9.8 | — | 12.4 | 9.8 | — |
| HIGHEST OCCUPATION IN HOUSE | | | | | | | | | | | | | | | | | | |
| Mean | 13.6 | 13.6 | — | 13.3 | 13.6 | 13.5 | 13.6 | 13.9 | — | 13.5 | 13.2 | — | 14.1 | 13.8 | — | 13.7 | 13.6 | — |
| Standard Deviation | — | — | — | 1.0 | 1.9 | 1.9 | 1.3 | 1.7 | — | 2.5 | 2.4 | — | 2.2 | 2.2 | — | 2.5 | 2.6 | — |
| FAMILY INCOME IN DOLLARS | | | | | | | | | | | | | | | | | | |
| Mean | 4572 | 5045 | — | 4424 | 5407 | 4342 | 5240 | 4569 | — | 5161 | 5515 | — | 4508 | 5034 | — | 3527 | 4698 | — |
| Standard Deviation | — | — | — | 2406 | 2789 | 2580 | 2275 | 2018 | — | 2459 | 2824 | — | 2867 | 2561 | — | 1715 | 2350 | — |
| MISSING INCOME INFORMATION | | | | | | | | | | | | | | | | | | |
| No. Missing | — | — | — | 49 | 405 | 61 | 90 | 8 | — | 93 | 4 | — | 42 | 22 | — | 5 | 1 | — |
| Valid Cases | — | — | — | 21 | 54 | 33 | 43 | 29 | — | 51 | 71 | — | 76 | 67 | — | 77 | 41 | — |
| ETHNIC MEMBERSHIP/RACE | | | | | | | | | | | | | | | | | | |
| Percent White | 13 | 21 | — | 1 | 1 | 2 | 3 | 3 | — | 13 | 57 | — | 47 | 43 | — | 0 | 0 | — |
| Percent Black | 22 | 32 | — | 47 | 95 | 39 | 0 | 0 | — | 10 | 7 | — | 53 | 57 | — | 0 | 0 | — |
| SEX Percent Female | 52 | 52 | — | 56 | 54 | 47 | 50 | 54 | — | 54 | 55 | — | 52 | 56 | — | 46 | 40 | — |
| ENTRY AGE IN MONTHS | | | | | | | | | | | | | | | | | | |
| Mean | 64.3 | 64.2 | — | 62.0 | 61.9 | 67.8 | 64.4 | 63.2 | — | 65.4 | 64.7 | — | 63.0 | 62.4 | — | 66.9 | 69.0 | — |
| Standard Deviation | — | — | — | 3.8 | 3.5 | 3.2 | 3.3 | 3.5 | — | 4.0 | 3.7 | — | 3.4 | 3.6 | — | 4.2 | 2.8 | — |
| FIRST LANGUAGE | | | | | | | | | | | | | | | | | | |
| Percent English | 53 | 66 | — | 50 | 97 | 90 | 44 | 51 | — | 66 | 75 | — | 100 | 100 | — | 7 | 5 | — |
| BEST MATCHED SITE | | | | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par.,LA | | | San Diego, TX | | |

Table C13-IIIK-24

## MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES FOR THE COHORT III KINDERGARTEN CHILDREN IN THE SEDL MODEL

| | ALL SITES | | SPONSOR'S SITES | | | PHILADELPHIA, PA | | | LOS ANGELES, CA | | | TULARE, CA | | | ST. MARTIN PAR., LA | | | SAN DIEGO, TX | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | | | | | | | | |
| Mean | 41.25 | 46.14 | 34.78 | 38.80 | — | 27.81 | 35.92 | 26.69 | 37.48 | 42.03 | — | 41.66 | 37.13 | — | 33.25 | 36.33 | — | 33.70 | 42.60 | — |
| Standard Deviation | | | — | — | — | 12.15 | 15.05 | 13.17 | 16.72 | 13.75 | — | 17.07 | 15.76 | — | 12.78 | 14.34 | — | 15.37 | 14.17 | — |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | | | | | | | |
| Mean | 47.77 | 50.84 | 44.59 | 44.79 | — | 36.93 | 40.88 | 34.36 | 48.85 | 50.11 | — | 47.17 | 41.03 | — | 41.02 | 42.72 | — | 48.99 | 49.24 | — |
| Standard Deviation | | | — | — | — | 11.08 | 17.27 | 13.30 | 18.79 | 16.31 | — | 20.95 | 16.20 | — | 15.71 | 17.88 | — | 17.55 | 15.30 | — |
| LANGUAGE | | | | | | | | | | | | | | | | | | | | |
| Mean | 16.60 | 18.44 | 15.22 | 15.29 | — | 12.71 | 14.63 | 12.55 | 14.49 | 13.86 | — | 16.83 | 15.36 | — | 15.17 | 16.12 | — | 16.89 | 16.45 | — |
| Standard Deviation | | | — | — | — | 6.00 | 7.17 | 6.11 | 5.99 | 4.30 | — | 8.25 | 6.39 | — | 5.95 | 6.63 | — | 8.97 | 6.04 | — |
| SPELLING | | | | | | | | | | | | | | | | | | | | |
| Mean | 17.64 | 20.63 | 13.28 | 17.96 | — | 10.04 | 17.91 | 7.95 | 14.07 | 18.49 | — | 16.56 | 13.69 | — | 11.56 | 15.62 | — | 14.18 | 24.07 | — |
| Standard Deviation | | | — | — | — | 10.83 | 12.66 | 10.22 | 11.71 | 11.68 | — | 12.21 | 10.95 | — | 12.83 | 13.08 | — | 12.01 | 12.24 | — |
| RAVEN'S PROGRESSIVE MAT. | | | | | | | | | | | | | | | | | | | | |
| Mean | 18.15 | 18.95 | 18.64 | 18.66 | — | 16.31 | 16.97 | 15.62 | 20.90 | 20.00 | — | 19.19 | 19.51 | — | 16.58 | 16.07 | — | 20.21 | 20.74 | — |
| Standard Deviation | | | — | — | — | 4.66 | 4.52 | 4.81 | 4.58 | 4.38 | — | 4.76 | 3.91 | — | 5.03 | 5.13 | — | 4.53 | 3.92 | — |
| COOPERSMITH'S SELF-EST. | | | | | | | | | | | | | | | | | | | | |
| Mean | 35.64 | 36.59 | 35.23 | 35.70 | — | 34.66 | 35.73 | 32.69 | 35.80 | 37.22 | — | 35.87 | 34.32 | — | 35.61 | 36.29 | — | 34.21 | 34.95 | — |
| Standard Deviation | | | — | — | — | 6.43 | 7.25 | 8.77 | 7.32 | 5.42 | — | 6.71 | 6.18 | — | 6.55 | 7.91 | — | 6.98 | 6.01 | — |
| IARS-LOCUS NEGATIVE | | | | | | | | | | | | | | | | | | | | |
| Mean | 9.91 | 10.11 | 9.82 | 9.81 | — | 9.80 | 9.79 | 8.52 | 9.72 | 10.46 | — | 9.68 | 8.95 | — | 9.70 | 9.53 | — | 10.20 | 10.33 | — |
| Standard Deviation | | | — | — | — | 2.43 | 2.76 | 2.57 | 2.70 | 2.33 | — | 2.47 | 2.66 | — | 2.52 | 3.10 | — | 2.37 | 2.52 | — |
| IARS-LOCUS POSITIVE | | | | | | | | | | | | | | | | | | | | |
| Mean | 12.83 | 13.07 | 12.39 | 12.72 | — | 11.66 | 12.78 | 11.97 | 12.97 | 13.16 | — | 13.04 | 12.57 | — | 11.98 | 12.70 | — | 12.30 | 12.40 | — |
| Standard Deviation | | | — | — | — | 2.80 | 2.43 | 2.91 | 2.22 | 2.66 | — | 2.28 | 2.68 | — | 2.74 | 2.46 | — | 2.52 | 2.82 | — |
| WORD KNOWLEDGE | | | | | | | | | | | | | | | | | | | | |
| Mean | 23.30 | 26.29 | 18.78 | 21.92 | — | 14.66 | 20.68 | 14.00 | 20.19 | 23.73 | — | 23.11 | 20.77 | — | 18.35 | 19.94 | — | 17.59 | 24.45 | — |
| Standard Deviation | | | — | — | — | 8.49 | 9.79 | 8.41 | 10.00 | 8.81 | — | 10.50 | 10.54 | — | 8.05 | 8.46 | — | 9.29 | 8.68 | — |
| READING | | | | | | | | | | | | | | | | | | | | |
| Mean | 17.95 | 19.85 | 16.00 | 16.88 | — | 13.16 | 15.24 | 12.69 | 17.29 | 18.30 | — | 18.55 | 16.36 | — | 14.91 | 16.38 | — | 16.11 | 18.14 | — |
| Standard Deviation | | | — | — | — | 5.67 | 6.24 | 5.56 | 7.55 | 5.97 | — | 7.40 | 5.94 | — | 5.75 | 6.49 | — | 6.81 | 6.26 | — |
| MATH COMPUTATIONS | | | | | | | | | | | | | | | | | | | | |
| Mean | 18.16 | 18.55 | 17.44 | 16.67 | — | 13.57 | 14.86 | 13.53 | 18.09 | 18.84 | — | 18.57 | 14.72 | — | 16.04 | 16.06 | — | 20.94 | 18.86 | — |
| Standard Deviation | | | — | — | — | 4.96 | 6.25 | 5.27 | 6.59 | 7.20 | — | 8.24 | 6.01 | — | 6.51 | 7.73 | — | 7.39 | 6.25 | — |
| MATH CONCEPTS | | | | | | | | | | | | | | | | | | | | |
| Mean | 16.41 | 18.04 | 15.04 | 15.64 | — | 12.89 | 14.83 | 11.77 | 17.51 | 18.11 | — | 15.78 | 14.07 | — | 13.62 | 14.44 | — | 15.43 | 16.76 | — |
| Standard Deviation | | | — | — | — | 4.90 | 7.11 | 5.90 | 7.68 | 6.51 | — | 7.56 | 6.19 | — | 6.31 | 6.34 | — | 6.24 | 5.15 | — |
| MATH PROBLEM SOLVING | | | | | | | | | | | | | | | | | | | | |
| Mean | 13.20 | 14.25 | 12.10 | 12.49 | — | 10.47 | 11.19 | 9.06 | 13.25 | 13.16 | — | 12.82 | 12.24 | — | 11.36 | 12.22 | — | 12.62 | 13.62 | — |
| Standard Deviation | | | — | — | — | 3.97 | 5.57 | 4.19 | 6.49 | 4.68 | — | 6.94 | 5.75 | — | 4.91 | 5.47 | — | 5.75 | 5.98 | — |
| LANGUAGE PART A | | | | | | | | | | | | | | | | | | | | |
| Mean | 7.59 | 8.13 | 6.69 | 7.11 | — | 5.89 | 6.94 | 5.09 | 6.34 | 6.95 | — | 6.72 | 6.95 | — | 7.08 | 7.15 | — | 7.41 | 7.57 | — |
| Standard Deviation | | | — | — | — | 2.97 | 3.22 | 2.62 | 3.05 | 2.39 | — | 2.92 | 3.32 | — | 3.02 | 3.16 | — | 3.37 | 2.68 | — |
| LANGUAGE PART B | | | | | | | | | | | | | | | | | | | | |
| Mean | 9.01 | 10.31 | 8.53 | 8.18 | — | 6.83 | 7.69 | 7.47 | 8.15 | 6.92 | — | 10.12 | 8.41 | — | 8.09 | 8.98 | — | 9.48 | 8.88 | — |
| Standard Deviation | | | — | — | — | 4.19 | 5.07 | 4.72 | 4.22 | 3.03 | — | 6.28 | 4.29 | — | 4.00 | 4.61 | — | 6.37 | 4.35 | — |
| BEST MATCH SITE | | | | | | Houston, TX | | | Los Angeles, CA | | | Tulare, CA | | | St. Martin Par., LA | | | San Diego, TX | | |

Table C13-IIIK-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K LOCAL ANALYSES FOR THE SEDL MODEL

CODE

FKW = Fall Kindergarten WRAT
NOFKW = Missing WRAT
ETH2 = White vs. Other
SEX = Sex
NOOCCUP = Missing Occupation
OCCUP = Occupation
INCOME = Income
ENTAGE = Entry Age
ETH1 = White vs. Black
LANG = Language
NOINC = Missing Income

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .62943521 | .54001179E-01 |
| NOFKW | -9.7377356 | 6.8082632 |
| ETH2 | 1.3733373 | 1.7715231 |
| SEX | .97944420 | 1.1579396 |
| NOOCCUP | .22380302 | 3.5725450 |
| OCCUP | .77991119E-01 | .26834545 |
| INCOME | .21071174E-03 | .23348301E-03 |
| ENTAGE | -.31472981 | .16418775 |
| ETH1 | 1.1399059 | 1.4262237 |
| LANG | 2.2409017 | 2.1612682 |
| NOINC | -1.7158520 | 3.5870956 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .70341594 | .62968121E-01 |
| NOFKW | -6.3296684 | 7.9387811 |
| ETH2 | -.87931638 | 2.0656860 |
| SEX | 1.1791407 | 1.3502165 |
| NOOCCUP | 1.1401319 | 4.1657692 |
| OCCUP | -.42013047E-01 | .31290445 |
| INCOME | .20427179E-03 | .27225306E-03 |
| ENTAGE | .39044733E-01 | .19145126 |
| ETH1 | 1.7408318 | 1.6630493 |
| LANG | 2.5327912 | 2.5201486 |
| NOINC | -1.7995068 | 4.1827359 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .47300469 | .44659302E-01 |
| NOFKW | -7.6628022 | 5.6304748 |
| ETH2 | .78673081 | 1.4650603 |
| SEX | 2.5367038 | .95762309 |
| NOOCCUP | -.77930906 | 2.9545164 |
| OCCUP | .10046471 | .22192331 |
| INCOME | .25643977E-03 | .19309186E-03 |
| ENTAGE | -.23988707 | .13578426 |
| ETH1 | .34682980 | 1.1794956 |
| LANG | .59471281 | 1.7873818 |
| NOINC | .30934551 | 2.9665498 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .26148004 | .25645787E-01 |
| NOFKW | -3.2245909 | 3.2333233 |
| ETH2 | -.84340048E-01 | .84131688 |
| SEX | .39335650 | .54991899 |
| NOOCCUP | .68393484 | 1.6966431 |
| OCCUP | .96240541E-01 | .12744037 |
| INCOME | .91142790E-04 | .11088379E-03 |
| ENTAGE | -.11464854E-01 | .77974668E-01 |
| ETH1 | .63667157 | .67733018 |
| LANG | 1.0488147 | 1.0264114 |
| NOINC | -.95540939 | 1.7035534 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .15299483 | .17210260E-01 |
| NOFKW | .81674711 | 2.1698041 |
| ETH2 | -.69756381 | .56458717 |
| SEX | -.96218129 | .36903718 |
| NOOCCUP | -.45548243 | 1.1385757 |
| OCCUP | -.43869698E-01 | .85522116E-01 |
| INCOME | .22233705E-04 | .74411399E-04 |
| ENTAGE | .65101275E-02 | .52326892E-01 |
| ETH1 | 1.4734253 | .45453971 |
| LANG | .32422426 | .68879955 |
| NOINC | .27018966 | 1.1432130 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .14078482 | .27717227E-01 |
| NOFKW | -4.4510924 | 3.4944825 |
| ETH2 | -.60995028E-01 | .90927102 |
| SEX | .64483101 | .59433658 |
| NOOCCUP | .83075809 | 1.8336830 |
| OCCUP | -.50787314E-01 | .13773388 |
| INCOME | .12936333E-03 | .11984000E-03 |
| ENTAGE | -.24289363E-01 | .84272773E-01 |
| ETH1 | .20154422 | .73203893 |
| LANG | .72310923E-01 | 1.1093158 |
| NOINC | -1.3760815 | 1.8411514 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .59156415E-01 | .97551030E-02 |
| NOFKW | .36560352 | 1.2298863 |
| ETH2 | -.14847593 | .32001875 |
| SEX | .38120930 | .20917729 |
| NOOCCUP | -.19317942E-01 | .64536637 |
| OCCUP | -.71877579E-02 | .48475563E-01 |
| INCOME | .18712437E-04 | .42177797E-04 |
| ENTAGE | -.23253379E-01 | .29659878E-01 |
| ETH1 | .19589706 | .25764176 |
| LANG | .43480954 | .39042469 |
| NOINC | -.24818544 | .64799488 |

1320

# Table C13-IIIK-25 (cont.)

## IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .44788348E-01 | .10686760E-01 |
| NOFKW | -.21049069 | 1.3473460 |
| ETH2 | .15927696 | .35058200 |
| SEX | .15504095 | .22915468 |
| NOOCCUP | -.49455638 | .70700180 |
| OCCUP | .17921853E-02 | .53105200E-01 |
| INCOME | .31618494E-04 | .46205969E-04 |
| ENTAGE | -.91710487E-02 | .32492532E-01 |
| ETH1 | -.21230282 | .28224772 |
| LANG | -.19512125 | .42771203 |
| NOINC | .41776013 | .70988134 |

## MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .39217611 | .34329438E-01 |
| NOFKW | -4.1346051 | 4.3281250 |
| ETH2 | 1.2929358 | 1.1261864 |
| SEX | .51127125 | .73612129 |
| NOOCCUP | -.38704197E-02 | 2.2711257 |
| OCCUP | .53620874E-01 | .17059162 |
| INCOME | .13761916E-03 | .14842899E-03 |
| ENTAGE | -.21541729 | .10437685 |
| ETH1 | .29839348 | .90667386 |
| LANG | 1.3849652 | 1.3739537 |
| NOINC | -.66065233 | 2.2803757 |

## MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .23725911 | .23981768E-01 |
| NOFKW | -5.6031304 | 3.0235301 |
| ETH2 | .80401493E-01 | .78672829 |
| SEX | .46817296 | .51423766 |
| NOOCCUP | .22767344 | 1.5865570 |
| OCCUP | .24370245E-01 | .11917144 |
| INCOME | .73092581E-04 | .10368913E-03 |
| ENTAGE | -.99312522E-01 | .72915306E-01 |
| ETH1 | .84151244 | .63338182 |
| LANG | .85593650 | .95981297 |
| NOINC | -1.0551997 | 1.5930188 |

## MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .26911762 | .24866255E-01 |
| NOFKW | -1.4168025 | 3.1350428 |
| ETH2 | -.42664320 | .81574410 |
| SEX | .21203205 | .53320358 |
| NOOCCUP | -.65881859E-01 | 1.6450718 |
| OCCUP | -.47208260E-03 | .12356668 |
| INCOME | .29303035E-04 | .10751335E-03 |
| ENTAGE | .19377787E-01 | .75604540E-01 |
| ETH1 | .76513777 | .65674197 |
| LANG | 1.2105867 | .99521243 |
| NOINC | -.32861987 | 1.6517719 |

## MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .23533595 | .25174378E-01 |
| NOFKW | -2.8627855 | 3.1738898 |
| ETH2 | -.30951627 | .82585217 |
| SEX | .39116692 | .53981063 |
| NUOCCUP | .79994471 | 1.6654562 |
| OCCUP | -.27053654E-01 | .12509782 |
| INCOME | .12648794E-03 | .10884558E-03 |
| ENTAGE | .13613907E-01 | .76541373E-01 |
| ETH1 | .34357231 | .66487981 |
| LANG | .14889494E-01 | 1.0075443 |
| NOINC | -.77362097 | 1.6722394 |

## MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .19896237 | .21322907E-01 |
| NOFKW | -2.0500803 | 2.6883110 |
| ETH2 | -.14315691 | .69950365 |
| SEX | .57594175 | .45722409 |
| NOOCCUP | .40606904 | 1.4106552 |
| OCCUP | -.14487310E-01 | .10595889 |
| INCOME | .48480815E-04 | .92193107E-04 |
| ENTAGE | .60530386E-02 | .64831179E-01 |
| ETH1 | .63212174 | .56315872 |
| LANG | 1.3073150 | .85339842 |
| NOINC | -.69726593 | 1.4164007 |

## MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .11243340 | .11540444E-01 |
| NOFKW | -1.5057614 | 1.4549753 |
| ETH2 | .16374004 | .37858734 |
| SEX | .14433807 | .24746011 |
| NOOCCUP | .13160863 | .76347882 |
| OCCUP | .46414060E-01 | .57347372E-01 |
| INCOME | .42787327E-04 | .49897014E-04 |
| ENTAGE | -.15738274E-01 | .35088114E-01 |
| ETH1 | .54347997E-01 | .30479435 |
| LANG | .58749201 | .46187870 |
| NOINC | -.16660212 | .76658838 |

## MAT Language Part.B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .14904664 | .19011109E-01 |
| NOFKW | -1.7188295 | 2.3968483 |
| ETH2 | -.24808009 | .62366451 |
| SEX | .24901843 | .40765253 |
| NOOCCUP | .55232621 | 1.2577141 |
| OCCUP | .49826481E-01 | .94470989E-01 |
| INCOME | .48355464E-04 | .82197668E-04 |
| ENTAGE | .42734196E-02 | .57802280E-01 |
| ETH1 | .58232358 | .50210189 |
| LANG | .46132264 | .76087423 |
| NOINC | -.78880727 | 1.2628366 |

## Table C13-IIIK(PS)-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K PRESCHOOL ADJUSTED LOCAL ANALYSES FOR THE SEDL MODEL

### CODE

SEX = Sex
ENTAGE = Entry Age
INCOME = Income
OCCUP = Occupation
NOOCCUP = Missing Occupation
NOINC = Missing Income
ETH2 = White vs. Other
ETH1 = White vs. Black
LANG = First Language
PSSOME = Some Preschool
PSHS = Head Start
FKW = Fall Kindergarten WRAT
FKWHS = FKW x Head Start
FKWSOME = FKW x Some Preschool

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .80462450 | 1.1722097 |
| ENTAGE | -.39010302 | .16435116 |
| INCOME | .20536402E-03 | .23621960E-03 |
| OCCUP | .76818097E-01 | .26882223 |
| NOOCCUP | .46330703 | 3.4719058 |
| NOINC | -2.2250777 | 3.5180097 |
| ETH2 | 1.5641160 | 1.7739201 |
| ETH1 | .57065782 | 1.4639638 |
| LANG | .88193747 | 2.1597000 |
| PSSOME | .67279514 | 3.8953551 |
| PSHS | -2.4962529 | 3.5899823 |
| FKW | .68171252 | .73103132E-01 |
| FKWHS | .29024107E-01 | .12330660 |
| FKWSOME | -.73522468E-01 | .12532349 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .97962182 | 1.3817807 |
| ENTAGE | -.54400260E-01 | .19373432 |
| INCOME | .22479524E-03 | .27845160E-03 |
| OCCUP | -.14784093E-01 | .31688302 |
| NOOCCUP | 1.2776295 | 4.0926228 |
| NOINC | -2.7813212 | 4.1469693 |
| ETH2 | -1.3423356 | 2.0910666 |
| ETH1 | 1.6057639 | 1.7256954 |
| LANG | 1.5785983 | 2.5458173 |
| PSSOME | -2.2971570 | 4.5917776 |
| PSHS | -.66886263 | 4.2318094 |
| FKW | .77371120 | .86172716E-01 |
| FKWHS | .37029629E-02 | .14535170 |
| FKWSOME | -.10947643E-01 | .14772918 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 2.3282689 | .96366336 |
| ENTAGE | -.32268162 | .13511165 |
| INCOME | .26572922E-03 | .19419407E-03 |
| OCCUP | .93308964E-01 | .22099640 |
| NOOCCUP | -.42897954 | 2.8542234 |
| NOINC | -.15792835 | 2.8921250 |
| ETH2 | .46323300 | 1.4583242 |
| ETH1 | .38375757 | 1.2035119 |
| LANG | -.22221046 | 1.7754705 |
| PSSOME | -.38715565 | 3.2023374 |
| PSHS | -2.7727457 | 2.9512931 |
| FKW | .51103082 | .60097446E-01 |
| FKWHS | .35169914E-01 | .10136928 |
| FKWSOME | -.23996902E-01 | .10302735 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .39254173 | .56392575 |
| ENTAGE | -.62823679E-01 | .79065931E-01 |
| INCOME | .67600696E-04 | .11364034E-03 |
| OCCUP | .10153362 | .12932479 |
| NOOCCUP | .62411912 | 1.6702618 |
| NOINC | -.89227950 | 1.6924414 |
| ETH2 | .37313702 | .85339614 |
| ETH1 | .38004347 | .70428260 |
| LANG | .10366912E-01 | 1.0389868 |
| PSSOME | -1.0838922 | 1.8739744 |
| PSHS | -.69291237 | 1.7270659 |
| FKW | .27368523 | .35168399E-01 |
| FKWHS | .22786957E-01 | .59320243E-01 |
| FKWSOME | .25376723E-01 | .60290579E-01 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.1589416 | .37760405 |
| ENTAGE | -.19843611E-01 | .52942459E-01 |
| INCOME | .22171513E-04 | .76093448E-04 |
| OCCUP | -.48363833E-01 | .86595737E-01 |
| NOOCCUP | -.27662743 | 1.1184054 |
| NOINC | .46389424E-01 | 1.1332569 |
| ETH2 | -.89075964 | .57143310 |
| ETH1 | 1.4480233 | .47158685 |
| LANG | .18075224 | .69570443 |
| PSSOME | .25146300 | 1.2548112 |
| PSHS | .60017498E-01 | 1.1564414 |
| FKW | .16755700 | .23548721E-01 |
| FKWHS | -.18071329E-01 | .39720769E-01 |
| FKWSOME | -.30685429E-02 | .40370471E-01 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .91135241 | .61022348 |
| ENTAGE | -.45310622E-01 | .85557164E-01 |
| INCOME | .13222032E-03 | .12297010E-03 |
| OCCUP | -.46025166E-01 | .13994223 |
| NOOCCUP | .96228984 | 1.8073886 |
| NOINC | -1.6967562 | 1.8313891 |
| ETH2 | -.22094079 | .92345909 |
| ETH1 | .36866975 | .76210349 |
| LANG | -.35301003E-01 | 1.1242866 |
| PSSOME | -.90820164 | 2.0278258 |
| PSHS | .91151505 | 1.8688563 |
| FKW | .15569652 | .38055689E-01 |
| FKWHS | -.39500395E-01 | .64190375E-01 |
| FKWSOME | .49954760E-02 | .65240320E-01 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .29065396 | .21529663 |
| ENTAGE | -.40107872E-01 | .30185939E-01 |
| INCOME | .15526812E-04 | .43385823E-04 |
| OCCUP | -.14595398E-01 | .49373861E-01 |
| NOOCCUP | -.83393198E-01 | .63767565 |
| NOINC | -.13633511 | .64614344 |
| ETH2 | -.33109740 | .32581117 |
| ETH1 | .32487309 | .26888233 |
| LANG | .39943352 | .39666634 |
| PSSOME | -.97781167 | .71544946 |
| PSHS | -.34644069 | .65936246 |
| FKW | .59166100E-01 | .13426657E-01 |
| FKWHS | .92689063E-02 | .22647393E-01 |
| FKWSOME | .25320242E-01 | .23017831E-01 |

## Table C13-IIIK(PS)-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .88213310E-01 | .23351869 |
| ENTAGE | -.14860670E-01 | .32740786E-01 |
| INCOME | .34918732E-04 | .47057869E-04 |
| OCCUP | -.97124696E-02 | .53552716E-01 |
| NOOCCUP | -.48641032 | .69164661 |
| NOINC | .47486104 | .70083109 |
| ETH2 | .92412928E-01 | .35338685 |
| ETH1 | -.10851189 | .29163972 |
| LANG | -.26655612 | .43023899 |
| PSSOME | -.16320143 | .77600296 |
| PSHS | -.22536023 | .71516892 |
| FKW | .43607667E-01 | .14563049E-01 |
| FKWHS | .15903228E-01 | .24564201E-01 |
| FKWSOME | .54702678E-02 | .24965991E-01 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .43287813 | .52600924 |
| ENTAGE | -.11799282 | .73749798E-01 |
| INCOME | .62909984E-04 | .10599954E-03 |
| OCCUP | .25808286E-01 | .12062942 |
| NOOCCUP | .54957967 | 1.5579589 |
| NOINC | -1.6352776 | 1.5786472 |
| ETH2 | .13445403 | .79601659 |
| ETH1 | .60145192 | .65692896 |
| LANG | .33986655 | .96912879 |
| PSSOME | .54894206 | 1.7479746 |
| PSHS | -1.9185693 | 1.6109437 |
| FKW | .24334688 | .32803792E-01 |
| FKWHS | .64783799E-01 | .55331745E-01 |
| FKWSOME | -.22521361E-01 | .56236792E-01 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .37516819 | .55479427 |
| ENTAGE | -.18920150E-01 | .77785640E-01 |
| INCOME | .14166691E-03 | .11180020E-03 |
| OCCUP | -.11269521E-01 | .12723067 |
| NOOCCUP | .80818598 | 1.6432157 |
| NOINC | -1.1206618 | 1.6650362 |
| ETH2 | -.40868449 | .83957735 |
| ETH1 | .23305373 | .69287836 |
| LANG | -.46525091 | 1.0221628 |
| PSSOME | -1.2751579 | 1.8436297 |
| PSHS | .19776534E-01 | 1.6991001 |
| FKW | .25593370 | .34598927E-01 |
| FKWHS | -.34322557E-02 | .56359688E-01 |
| FKWSOME | .93579444E-02 | .59314262E-01 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .16019290 | .25453834 |
| ENTAGE | -.38621600E-01 | .35687874E-01 |
| INCOME | .35579063E-04 | .51293676E-04 |
| OCCUP | .44603062E-01 | .58373142E-01 |
| NOOCCUP | .24254090 | .75390361 |
| NOINC | -.23790039 | .76391480 |
| ETH2 | .24638188 | .38519617 |
| ETH1 | -.12633341E-01 | .31789101 |
| LANG | .25752516 | .46896597 |
| PSSOME | -.51418525 | .84585310 |
| PSHS | -.72703606 | .77954323 |
| FKW | .11377376 | .15873909E-01 |
| FKWHS | .21221997E-01 | .26775291E-01 |
| FKWSOME | .16256597E-01 | .27213248E-01 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .37174037 | .73993384 |
| ENTAGE | -.27211020 | .10374337 |
| INCOME | .14245404E-03 | .14910888E-03 |
| OCCUP | .51009811E-01 | .16968863 |
| NOOCCUP | -.86272636E-01 | 2.1915708 |
| NOINC | -.58980015 | 2.2206730 |
| ETH2 | 1.4296620 | 1.1197515 |
| ETH1 | -.30794099E-01 | .92409778 |
| LANG | .54206692 | 1.3632673 |
| PSSOME | .12385309 | 2.4588647 |
| PSHS | -.57766360 | 2.2661043 |
| FKW | .43836564 | .46144885E-01 |
| FKWHS | -.35759693E-01 | .77834813E-01 |
| FKWSOME | -.51001107E-01 | .79107937E-01 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .10980641 | .54247714 |
| ENTAGE | -.14813857E-01 | .76058701E-01 |
| INCOME | .31152336E-04 | .10931810E-03 |
| OCCUP | .36493036E-03 | .12440599 |
| NOOCCUP | -.12907687 | 1.6067343 |
| NOINC | -.53091138 | 1.6280703 |
| ETH2 | -.72832683 | .82093768 |
| ETH1 | .87861647 | .67749560 |
| LANG | 1.0590346 | .99946954 |
| PSSOME | -.94985412 | 1.8026986 |
| PSHS | -.11037523 | 1.6613779 |
| FKW | .29829057 | .33830788E-01 |
| FKWHS | .53114900E-02 | .57064030E-01 |
| FKWSOME | -.39221535E-02 | .57997411E-01 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .49464721 | .47259478 |
| ENTAGE | -.20666254E-01 | .66260755E-01 |
| INCOME | .51975996E-04 | .95235646E-04 |
| OCCUP | -.38795030E-02 | .10837991 |
| NOOCCUP | .59852034 | 1.3997534 |
| NOINC | -1.1298081 | 1.4183409 |
| ETH2 | -.20533025 | .71518379 |
| ETH1 | .49409969 | .59022004 |
| LANG | .98481461 | .87071703 |
| PSSOME | -.72144993E-01 | 1.5704737 |
| PSHS | -.57826393 | 1.4473578 |
| FKW | .21948693 | .29472677E-01 |
| FKWHS | .18237286E-02 | .49712993E-01 |
| FKWSOME | -.16783434E-01 | .50526136E-01 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .23234884 | .42132215 |
| ENTAGE | -.24202079E-01 | .59072012E-01 |
| INCOME | .32021634E-04 | .84903367E-04 |
| OCCUP | .56930555E-01 | .90621586E-01 |
| NOOCCUP | .38157822 | 1.2478917 |
| NOINC | -.65437111 | 1.2644627 |
| ETH2 | .12675514 | .63759227 |
| ETH1 | .39267681 | .52618605 |
| LANG | -.24715825 | .77625144 |
| PSSOME | -.56970695 | 1.4000903 |
| PSHS | .34123684E-01 | 1.2903315 |
| FKW | .15991147 | .26275136E-01 |
| FKWHS | .15649593E-02 | .44319545E-01 |
| FKWSOME | .91201258E-02 | .45044468E-01 |

## Table C13-IIIK(PS)-26

## TREATMENT REGRESSION COEFFICIENTS AND STANDARD ERRORS BY OUTCOME FOR HEAD START STUDIES OF COHORT III-K SITES IN THE SEDL MODEL

| | | Philadelphia, PA | | Los Angeles, CA | | Tulare, CA | | St. Martin, Parish, LA | | San Diego, TX | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local |
| Word Knowledge | b | -5.27** | -4.53* | -1.57 | -2.31 | 5.87** | 5.94** | -1.17 | - .72 | -7.43** | -4.15 |
| | Standard Error | 1.07 | 1.98 | .84 | 2.70 | .75 | 1.94 | .73 | 1.84 | 1.00 | 2.41 |
| Spelling | b | -7.83** | -6.81** | -1.62 | -3.09 | 6.26** | 6.32* | -3.41** | -2.79 | -11.37** | -6.46* |
| | Standard Error | 1.21 | 2.59 | .96 | 3.51 | .90 | 2.53 | 1.08 | 2.40 | 1.22 | 3.14 |
| Language | b | - .66 | - .30 | 2.65** | .57 | 2.61** | 3.10* | - .79 | - .96 | 3.80** | 1.47 |
| | Standard Error | .78 | 1.51 | .56 | 2.05 | .63 | 1.48 | .53 | 1.40 | .91 | 1.84 |
| Math Computations | b | - .63 | - .15 | -3.10** | - .24 | 5.23** | 4.92** | - .77 | .46 | 5.16** | 3.42 |
| | Standard Error | .69 | 1.49 | .61 | 2.02 | .59 | 1.46 | .56 | 1.38 | .82 | 1.81 |
| Raven's | b | - .66 | - .51 | .24 | .53 | - .13 | .44 | .88 | .28 | 1.08* | .66 |
| | Standard Error | .62 | 1.01 | .39 | 1.38 | .39 | .99 | .44 | .94 | .51 | 1.23 |
| Reading | b | -1.62 | -1.54 | 1.50* | .43 | 4.11** | 4.16** | -1.55** | -1.03 | -2.78** | - .49 |
| | Standard Error | .84 | 1.41 | .66 | 1.92 | .57 | 1.38 | .53 | 1.31 | .69 | 1.71 |
| Math Concepts | b | - .84 | - .46 | -1.29 | .22 | 3.40** | 3.15* | -1.15* | - .59 | - .17 | .01 |
| | Standard Error | .71 | 1.46 | .65 | 1.98 | .53 | 1.42 | .55 | 1.35 | .61 | 1.77 |
| Math Problem Solving | b | - .02 | .47 | 1.39* | .68 | 2.20** | 1.82 | -1.33** | - .22 | - .30 | .63 |
| | Standard Error | .66 | 1.27 | .56 | 1.72 | .50 | 1.24 | .47 | 1.18 | .67 | 1.54 |
| Coopersmith | b | .67 | .57 | -1.80** | -1.17 | 2.20** | 2.92 | .13 | - .42 | .76 | - .43 |
| | Standard Error | .93 | 1.64 | .65 | 2.22 | .57 | 1.60 | .61 | 1.52 | .78 | 1.99 |
| IARS(-) | b | - 0.5 | .32 | - .60* | - .52 | .46* | .82 | - .07 | - .01 | -2.55* | .10 |
| | Standard Error | .31 | .63 | .24 | .85 | .21 | .61 | .24 | .58 | .32 | .76 |
| IARS(+) | b | - .61 | - .67 | .61** | .01 | .44* | .87 | - .65* | - .68 | .06 | .27 |
| | Standard Error | .41 | .58 | .21 | .78 | .20 | .56 | .24 | .54 | .27 | .70 |
| Total Reading | b | -6.89** | -6.07 | - .07 | -1.88 | 9.98** | 10.10** | -2.73* | -1.74 | -10.21** | -4.63 |
| | Standard Error | 1.63 | 3.14 | 1.42 | 4.27 | 1.22 | 3.08 | 1.16 | 2.92 | 1.60 | 3.82 |
| Total Math | b | -1.48 | - .14 | -3.00 | .66 | 10.82** | 9.89** | -3.25* | -.35 | 4.69* | 4.06 |
| | Standard Error | 1.67 | 3.71 | 1.57 | 5.03 | 1.43 | 3.63 | 1.34 | 3.44 | 1.87 | 4.50 |
| Language Part A | b | - .03 | .07 | - .52* | - .57 | .45* | .47 | .31 | - .03 | .85* | .55 |
| | Standard Error | .37 | .68 | .25 | .93 | .22 | .67 | .27 | .63 | .33 | .83 |
| Language Part B | b | - .62 | - .37 | 3.18** | 1.14 | 2.16** | 2.64* | -1.11** | - .93 | 2.95** | 1.18 |
| | Standard Error | .60 | 1.13 | .45 | 1.53 | .52 | 1.11 | .38 | 1.05 | .70 | 1.37 |

* $p < .05$

** $p < .01$

1324

## Table C13-IIIK(PS)-27

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR SEDL MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 188 | 139 | 165 | 492 | 55 | 131 | 377 | 563 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 24.60 | 31.87 | 22.96 | 26.10 | 26.40 | 29.54 | 25.55 | 26.56 |
| STANDARD DEVIATION | 11.97 | 11.66 | 13.06 | 12.79 | 12.10 | 10.96 | 10.89 | 11.13 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.79 | 13.57 | 13.90 | 13.77 | 13.18 | 13.48 | 13.72 | 13.58 |
| STANDARD DEVIATION | 2.28 | 1.84 | 2.37 | 2.21 | 1.90 | 2.36 | 2.23 | 2.21 |
| NUMBER | 121 | 60 | 72 | 253 | 39 | 56 | 153 | 248 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4272.10 | 5008.57 | 4352.04 | 4464.89 | 4002.44 | 5305.12 | 5428.18 | 5166.30 |
| STANDARD DEVIATION | 2385.63 | 2505.70 | 2533.32 | 2464.42 | 1936.94 | 2787.32 | 2645.45 | 2619.79 |
| MEDIAN | 3839.80 | 4419.90 | 3816.67 | 4130.35 | 3850.00 | 4425.00 | 5150.25 | 4914.71 |
| NUMBER | 122 | 58 | 71 | 251 | 41 | 57 | 152 | 250 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 3.28 | 5.17 | 7.04 | 4.78 | 0.00 | 14.04 | 10.53 | 9.60 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 15.96 | 4.32 | 23.03 | 15.04 | 5.45 | 12.21 | 15.12 | 13.50 |
| PERCENT BLACK | 28.19 | 21.58 | 11.52 | 20.73 | 70.91 | 76.34 | 65.25 | 68.38 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 51.60 | 51.80 | 51.52 | 51.63 | 63.64 | 54.96 | 53.32 | 54.71 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 64.61 | 64.48 | 64.42 | 64.51 | 62.16 | 62.17 | 63.30 | 62.93 |
| STANDARD DEVIATION | 3.83 | 4.03 | 4.27 | 4.03 | 3.55 | 3.72 | 4.18 | 4.05 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 63.83 | 51.80 | 60.00 | 59.15 | 87.27 | 92.37 | 84.08 | 86.32 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 9.31 | 9.34 | 8.56 | 9.10 | 9.28 | 11.23 | 10.06 | 10.20 |
| STANDARD DEVIATION | 4.02 | 4.34 | 4.16 | 4.14 | 3.57 | 2.86 | 3.29 | 3.29 |
| NUMBER | 121 | 63 | 74 | 258 | 40 | 57 | 153 | 250 |
| PERCENT HS GRAD | 29.75 | 31.75 | 25.68 | 29.07 | 20.00 | 47.37 | 32.68 | 34.00 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 12.80 | 31.25 | 9.46 | 16.35 | 17.07 | 27.59 | 15.48 | 18.50 |
| NUMBER | 125 | 64 | 74 | 263 | 41 | 58 | 155 | 254 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 38.21 | 100.00 | 0.00 | 0.00 | 9.77 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 28.25 | 0.00 | 100.00 | 0.00 | 23.27 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 33.54 | 0.00 | 0.00 | 100.00 | 66.96 |

## Table C13-IIIK(PS)-28

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR SEDL MODEL IN PHILADELPHIA, PA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 3 | 28 | 17 | 48 | 13 | 98 | 243 | 354 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 28.67 | 25.39 | 16.82 | 22.56 | 28.08 | 29.71 | 26.26 | 27.28 |
| STANDARD DEVIATION | 15.04 | 8.46 | 8.00 | 9.57 | 16.42 | 11.30 | 11.43 | 11.67 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.00 | 13.33 | 13.50 | 13.33 | 13.50 | 14.04 | 13.17 | 13.60 |
| STANDARD DEVIATION | 0.00 | 1.22 | .71 | 1.07 | 1.91 | 2.20 | 1.52 | 1.90 |
| NUMBER | 1 | 9 | 2 | 12 | 4 | 24 | 24 | 52 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4400.00 | 5029.90 | 3066.67 | 4564.21 | 5325.00 | 6243.76 | 4621.74 | 5455.65 |
| STANDARD DEVIATION | 0.00 | 2523.03 | 1436.43 | 2326.13 | 2611.99 | 2882.10 | 2554.67 | 2782.98 |
| MEDIAN | 4400.00 | 4500.00 | 2500.00 | 4400.00 | 6200.00 | 6200.00 | 3283.33 | 5300.00 |
| NUMBER | 1 | 10 | 3 | 14 | 4 | 25 | 23 | 52 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 10.00 | 0.00 | 7.14 | 0.00 | 24.00 | 0.00 | 11.54 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 3.57 | 0.00 | 2.08 | 0.00 | 3.06 | .41 | 1.13 |
| PERCENT BLACK | 33.33 | 57.14 | 52.94 | 54.17 | 100.00 | 94.90 | 95.47 | 95.48 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 66.67 | 57.14 | 47.06 | 54.17 | 53.85 | 60.20 | 53.50 | 55.37 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.95 | 63.32 | 60.37 | 62.31 | 61.81 | 61.50 | 62.15 | 61.96 |
| STANDARD DEVIATION | 6.39 | 3.83 | 3.31 | 4.00 | 4.07 | 3.45 | 3.63 | 3.60 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 33.33 | 60.71 | 52.94 | 56.25 | 100.00 | 98.98 | 96.30 | 97.18 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 13.00 | 10.17 | 5.47 | 9.36 | 11.46 | 12.18 | 11.25 | 11.71 |
| STANDARD DEVIATION | 0.00 | 3.88 | 5.47 | 4.48 | 1.02 | 1.31 | 1.56 | 1.46 |
| NUMBER | 1 | 10 | 3 | 14 | 4 | 25 | 23 | 52 |
| PERCENT HS GRAD | 100.00 | 30.00 | 0.00 | 28.57 | 25.00 | 52.00 | 26.09 | 38.46 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 100.00 | 60.00 | 66.67 | 64.29 | 25.00 | 42.31 | 54.17 | 46.30 |
| NUMBER | 1 | 10 | 3 | 14 | 4 | 26 | 24 | 54 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 6.25 | 100.00 | 0.00 | 0.00 | 3.67 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 58.33 | 0.00 | 100.00 | 0.00 | 27.68 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 35.42 | 0.00 | 0.00 | 100.00 | 68.64 |

Table C13-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR SEDL MODEL IN LOS ANGELES, CA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 26 | 65 | 30 | 121 | 10 | 2 | 12 | 24 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 37.23 | 38.82 | 32.53 | 36.92 | 33.50 | 45.00 | 26.92 | 31.17 |
| STANDARD DEVIATION | 14.33 | 8.76 | 12.59 | 11.35 | 12.17 | 7.07 | 6.57 | 10.45 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.22 | 13.42 | 13.27 | 13.55 | 13.44 | 14.50 | 13.75 | 13.70 |
| STANDARD DEVIATION | 1.72 | 1.10 | 1.42 | 1.34 | 1.59 | 2.12 | 1.42 | 1.49 |
| NUMBER | 9 | 24 | 11 | 44 | 9 | 2 | 12 | 23 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 5077.78 | 5463.59 | 4800.00 | 5217.05 | 3740.00 | 2650.00 | 5527.27 | 4500.00 |
| STANDARD DEVIATION | 2375.28 | 2634.40 | 1571.27 | 2325.66 | 1063.75 | 1626.35 | 2158.28 | 1949.83 |
| MEDIAN | 5466.67 | 4800.00 | 5100.00 | 5150.00 | 3300.00 | 2650.00 | 5150.00 | 4400.00 |
| NUMBER | 9 | 22 | 10 | 41 | 10 | 2 | 11 | 23 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 4.55 | 0.00 | 2.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 3.85 | 0.00 | 6.67 | 2.48 | 0.00 | 50.00 | 0.00 | 4.17 |
| PERCENT BLACK | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 50.00 | 53.85 | 43.33 | 50.41 | 60.00 | 0.00 | 50.00 | 50.00 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 64.40 | 64.11 | 64.67 | 64.31 | 62.38 | 63.49 | 63.03 | 62.80 |
| STANDARD DEVIATION | 3.40 | 3.50 | 3.48 | 3.45 | 3.09 | 7.12 | 3.64 | 3.53 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 61.54 | 33.85 | 53.33 | 44.63 | 50.00 | 100.00 | 58.33 | 58.33 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 9.58 | 8.34 | 7.60 | 8.43 | 6.56 | 12.98 | 7.55 | 7.59 |
| STANDARD DEVIATION | 5.17 | 4.32 | 4.33 | 4.46 | 3.51 | 2.86 | 3.76 | 3.86 |
| NUMBER | 10 | 26 | 11 | 47 | 10 | 2 | 12 | 24 |
| PERCENT HS GRAD | 40.00 | 23.08 | 18.18 | 25.53 | 10.00 | 50.00 | 8.33 | 12.50 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 20.00 | 25.93 | 18.18 | 22.92 | 40.00 | 50.00 | 16.67 | 29.17 |
| NUMBER | 10 | 27 | 11 | 48 | 10 | 2 | 12 | 24 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 21.49 | 100.00 | 0.00 | 0.00 | 41.67 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 53.72 | 0.00 | 100.00 | 0.00 | 8.33 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 24.79 | 0.00 | 0.00 | 100.00 | 50.00 |

Table C13-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR SEDL MODEL IN TULARE, CA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 31 | 39 | 64 | 134 | 3 | 24 | 44 | 71 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 23.71 | 26.00 | 23.06 | 24.07 | 29.00 | 29.92 | 27.07 | 28.11 |
| STANDARD DEVIATION | 10.61 | 11.38 | 13.13 | 12.07 | 3.00 | 8.50 | 9.97 | 9.32 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.75 | 13.55 | 13.35 | 13.52 | 11.33 | 12.61 | 13.80 | 13.27 |
| STANDARD DEVIATION | 2.96 | 2.50 | 2.25 | 2.48 | .58 | 2.48 | 2.38 | 2.45 |
| NUMBER | 12 | 20 | 20 | 52 | 3 | 23 | 40 | 66 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4633.33 | 5110.47 | 5515.58 | 5149.90 | 3666.67 | 4582.52 | 6294.93 | 5589.40 |
| STANDARD DEVIATION | 1432.95 | 2490.52 | 3000.64 | 2482.91 | 2103.17 | 2760.53 | 2777.59 | 2860.16 |
| MEDIAN | 4825.00 | 4400.00 | 4400.00 | 4650.25 | 3800.00 | 3675.00 | 6224.87 | 5620.40 |
| NUMBER | 12 | 19 | 19 | 50 | 3 | 23 | 41 | 67 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 5.26 | 21.05 | 10.00 | 0.00 | 8.70 | 19.51 | 14.93 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 3.23 | 12.82 | 20.31 | 14.18 | 33.33 | 45.83 | 65.91 | 57.75 |
| PERCENT BLACK | 0.00 | 30.77 | 4.69 | 11.19 | 0.00 | 12.50 | 2.27 | 5.63 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 64.52 | 48.72 | 54.69 | 55.22 | 66.67 | 45.83 | 63.64 | 57.75 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 65.46 | 65.28 | 65.26 | 65.31 | 64.55 | 64.28 | 65.17 | 64.84 |
| STANDARD DEVIATION | 3.09 | 4.08 | 4.35 | 3.99 | 2.32 | 3.23 | 3.90 | 3.62 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 58.06 | 79.49 | 65.63 | 67.91 | 66.67 | 70.83 | 77.27 | 74.65 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 9.80 | 10.31 | 8.63 | 9.54 | 9.12 | 10.36 | 9.96 | 10.06 |
| STANDARD DEVIATION | 4.63 | 4.87 | 4.61 | 4.68 | 3.18 | 3.69 | 3.92 | 3.77 |
| NUMBER | 12 | 20 | 20 | 52 | 3 | 23 | 41 | 67 |
| PERCENT HS GRAD | 33.33 | 45.00 | 30.00 | 36.54 | 0.00 | 43.48 | 36.59 | 37.31 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 8.33 | 30.00 | 5.00 | 15.38 | 33.33 | 17.39 | 7.32 | 11.94 |
| NUMBER | 12 | 20 | 20 | 52 | 3 | 23 | 41 | 67 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 23.13 | 100.00 | 0.00 | 0.00 | 4.23 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 29.10 | 0.00 | 100.00 | 0.00 | 33.80 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 47.76 | 0.00 | 0.00 | 100.00 | 61.97 |

Table C13-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR SEDL MODEL IN ST. MARTIN PARISH, LA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 81 | 2 | 30 | 113 | 28 | 5 | 40 | 73 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 22.93 | 36.00 | 22.60 | 23.07 | 22.71 | 16.40 | 22.52 | 22.18 |
| STANDARD DEVIATION | 8.45 | 4.24 | 11.09 | 9.28 | 9.38 | 5.81 | 9.57 | 9.32 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.00 | 13.50 | 14.76 | 14.16 | 13.00 | 14.60 | 14.10 | 13.77 |
| STANDARD DEVIATION | 2.25 | 2.12 | 2.08 | 2.21 | 1.69 | 2.30 | 2.30 | 2.16 |
| NUMBER | 55 | 2 | 17 | 74 | 22 | 5 | 39 | 66 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4609.02 | 2000.00 | 4664.65 | 4551.28 | 3678.26 | 5280.00 | 5802.41 | 5034.24 |
| STANDARD DEVIATION | 2921.19 | 0.00 | 2909.77 | 2889.97 | 1738.85 | 1998.00 | 2737.46 | 2560.93 |
| MEDIAN | 4133.67 | 2000.00 | 3350.00 | 3800.00 | 3250.00 | 5000.00 | 5683.42 | 4920.40 |
| NUMBER | 55 | 2 | 17 | 74 | 23 | 5 | 39 | 67 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 7.27 | 0.00 | 5.88 | 6.76 | 0.00 | 0.00 | 15.38 | 8.96 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 34.57 | 0.00 | 76.67 | 45.13 | 7.14 | 20.00 | 67.50 | 41.10 |
| PERCENT BLACK | 64.20 | 100.00 | 23.33 | 53.98 | 92.86 | 80.00 | 32.50 | 58.90 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 49.38 | 50.00 | 60.00 | 52.21 | 67.86 | 40.00 | 55.00 | 58.90 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.13 | 61.78 | 62.61 | 62.97 | 61.70 | 61.05 | 62.98 | 62.36 |
| STANDARD DEVIATION | 3.35 | 5.47 | 3.36 | 3.36 | 3.31 | 3.27 | 3.89 | 3.66 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 9.60 | 8.20 | 9.91 | 9.64 | 9.78 | 10.07 | 10.32 | 10.12 |
| STANDARD DEVIATION | 3.75 | 3.89 | 3.01 | 3.54 | 3.12 | 3.31 | 2.89 | 2.96 |
| NUMBER | 53 | 2 | 18 | 73 | 22 | 5 | 40 | 67 |
| PERCENT HS GRAD | 33.96 | 0.00 | 33.33 | 32.88 | 22.73 | 40.00 | 40.00 | 34.33 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 10.91 | 50.00 | 5.56 | 10.67 | 4.35 | 0.00 | 12.50 | 8.82 |
| NUMBER | 55 | 2 | 18 | 75 | 23 | 5 | 40 | 68 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 71.68 | 100.00 | 0.00 | 0.00 | 38.36 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 1.77 | 0.00 | 100.00 | 0.00 | 6.85 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 26.55 | 0.00 | 0.00 | 100.00 | 54.79 |

### Table C13-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR SEDL MODEL IN SAN DIEGO, TX

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 47 | 5 | 24 | 76 | 1 | 2 | 38 | 41 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 20.81 | 22.00 | 15.50 | 19.21 | 29.00 | 34.00 | 22.08 | 22.83 |
| STANDARD DEVIATION | 12.32 | 14.27 | 11.98 | 12.43 | 0.00 | 0.00 | 9.79 | 9.81 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.45 | 14.80 | 14.09 | 13.75 | 19.00 | 13.00 | 13.58 | 13.68 |
| STANDARD DEVIATION | 2.28 | 2.68 | 3.01 | 2.55 | 0.00 | 0.00 | 2.55 | 2.60 |
| NUMBER | 44 | 5 | 22 | 71 | 1 | 2 | 38 | 41 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 3600.00 | 3780.00 | 3077.27 | 3452.78 | 9800.00 | 4600.00 | 4568.37 | 4697.51 |
| STANDARD DEVIATION | 1693.03 | 1788.02 | 1622.15 | 1673.23 | 0.00 | 565.69 | 2288.75 | 2349.62 |
| MEDIAN | 3240.00 | 2833.33 | 2500.00 | 2600.00 | 9800.00 | 4600.00 | 4299.50 | 4350.25 |
| NUMBER | 45 | 5 | 22 | 72 | 1 | 2 | 38 | 41 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.26 | 4.88 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT BLACK | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 46.81 | 20.00 | 45.83 | 44.74 | 100.00 | 0.00 | 39.47 | 39.02 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 66.77 | 70.58 | 67.00 | 67.09 | 70.20 | 70.97 | 68.94 | 69.07 |
| STANDARD DEVIATION | 4.09 | 5.69 | 3.93 | 4.19 | 0.00 | .15 | 2.88 | 2.81 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 8.51 | 0.00 | 8.33 | 7.89 | 0.00 | 0.00 | 5.26 | 4.88 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 8.68 | 9.47 | 8.29 | 8.61 | 17.00 | 10.48 | 9.95 | 10.15 |
| STANDARD DEVIATION | 3.97 | 3.38 | 4.28 | 3.99 | 0.00 | 3.57 | 3.27 | 3.38 |
| NUMBER | 45 | 5 | 22 | 72 | 1 | 2 | 37 | 40 |
| PERCENT HS GRAD | 20.00 | 40.00 | 22.73 | 22.22 | 100.00 | 50.00 | 32.43 | 35.00 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 12.77 | 0.00 | 4.55 | 9.46 | 0.00 | 0.00 | 2.63 | 2.44 |
| NUMBER | 47 | 5 | 22 | 74 | 1 | 2 | 38 | 41 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 61.84 | 100.00 | 0.00 | 0.00 | 2.44 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 6.58 | 0.00 | 100.00 | 0.00 | 4.88 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 31.58 | 0.00 | 0.00 | 100.00 | 92.68 |

### Table C13-IIIK(PS)-29

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR SEDL MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 188 | 139 | 165 | 492 | 55 | 131 | 377 | 563 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 18.08 | 21.23 | 19.84 | 19.87 | 20.53 | 20.89 | 21.63 | 21.35 |
| STANDARD DEVIATION | 9.14 | 10.37 | 9.75 | 9.73 | 9.76 | 9.21 | 9.57 | 9.50 |
| SPELLING | | | | | | | | |
| MEAN | 13.23 | 15.47 | 13.64 | 14.00 | 15.02 | 17.83 | 18.28 | 17.86 |
| STANDARD DEVIATION | 12.08 | 11.95 | 12.27 | 12.12 | 13.48 | 11.63 | 12.70 | 12.56 |
| LANGUAGE | | | | | | | | |
| MEAN | 16.00 | 15.58 | 15.13 | 15.59 | 14.87 | 15.36 | 15.11 | 15.14 |
| STANDARD DEVIATION | 7.28 | 6.95 | 7.31 | 7.19 | 7.16 | 7.42 | 6.69 | 6.90 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 18.28 | 17.54 | 17.66 | 17.86 | 16.16 | 15.22 | 15.58 | 15.55 |
| STANDARD DEVIATION | 7.08 | 6.92 | 7.92 | 7.32 | 7.65 | 5.82 | 6.59 | 6.53 |
| RAVENS | | | | | | | | |
| MEAN | 18.34 | 20.06 | 18.65 | 18.93 | 16.49 | 17.96 | 17.59 | 17.57 |
| STANDARD DEVIATION | 5.10 | 4.60 | 5.23 | 5.05 | 4.67 | 4.58 | 4.65 | 4.64 |
| READING | | | | | | | | |
| MEAN | 16.10 | 17.65 | 16.22 | 16.58 | 16.27 | 16.06 | 15.91 | 15.98 |
| STANDARD DEVIATION | 6.80 | 7.75 | 6.65 | 7.05 | 7.36 | 5.47 | 6.22 | 6.16 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 15.38 | 16.30 | 15.22 | 15.59 | 15.40 | 15.11 | 15.16 | 15.17 |
| STANDARD DEVIATION | 6.77 | 7.17 | 7.40 | 7.10 | 7.35 | 6.34 | 6.92 | 6.82 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 12.28 | 13.08 | 12.13 | 12.46 | 11.40 | 11.86 | 11.93 | 11.86 |
| STANDARD DEVIATION | 5.58 | 6.12 | 6.44 | 6.03 | 5.83 | 5.35 | 5.64 | 5.58 |
| COOPERSMITH | | | | | | | | |
| MEAN | 35.70 | 35.68 | 35.32 | 35.57 | 35.62 | 35.37 | 35.55 | 35.52 |
| STANDARD DEVIATION | 6.03 | 6.53 | 7.83 | 6.81 | 8.29 | 7.02 | 6.98 | 7.12 |
| IARS(-) | | | | | | | | |
| MEAN | 10.10 | 10.01 | 9.42 | 9.85 | 9.60 | 9.62 | 9.79 | 9.73 |
| STANDARD DEVIATION | 2.36 | 2.55 | 2.51 | 2.48 | 3.19 | 2.94 | 2.64 | 2.76 |
| IARS(+) | | | | | | | | |
| MEAN | 12.51 | 12.73 | 12.56 | 12.59 | 12.44 | 12.79 | 12.77 | 12.74 |
| STANDARD DEVIATION | 2.54 | 2.40 | 2.64 | 2.53 | 2.34 | 2.53 | 2.52 | 2.50 |
| TOTAL READING | | | | | | | | |
| MEAN | 34.98 | 38.88 | 36.06 | 36.45 | 36.80 | 36.95 | 37.54 | 37.33 |
| STANDARD DEVIATION | 15.08 | 17.02 | 15.59 | 15.87 | 16.53 | 13.65 | 14.85 | 14.73 |
| TOTAL MATH | | | | | | | | |
| MEAN | 45.94 | 46.92 | 45.02 | 45.91 | 42.96 | 42.18 | 42.67 | 42.58 |
| STANDARD DEVIATION | 17.49 | 18.20 | 19.77 | 18.46 | 19.21 | 15.62 | 17.33 | 17.12 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.15 | 6.93 | 6.45 | 6.86 | 6.49 | 7.22 | 7.10 | 7.07 |
| STANDARD DEVIATION | 3.08 | 3.01 | 2.97 | 3.03 | 2.96 | 3.36 | 3.21 | 3.22 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.85 | 8.65 | 8.68 | 8.73 | 8.38 | 8.14 | 8.01 | 8.08 |
| STANDARD DEVIATION | 5.25 | 5.17 | 5.39 | 5.27 | 5.06 | 5.13 | 4.70 | 4.83 |

## Table C13-IIIK(PS)-30

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR SEDL MODEL IN PHILADELPHIA, PA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 3 | 28 | 17 | 48 | 13 | 98 | 243 | 354 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 11.33 | 14.04 | 13.29 | 13.60 | 23.15 | 20.85 | 21.49 | 21.37 |
| STANDARD DEVIATION | 7.51 | 8.23 | 5.89 | 7.32 | 11.65 | 8.85 | 9.96 | 9.71 |
| SPELLING | | | | | | | | |
| MEAN | 7.33 | 9.50 | 8.65 | 9.06 | 15.46 | 18.91 | 18.72 | 18.66 |
| STANDARD DEVIATION | 11.02 | 9.41 | 8.98 | 9.16 | 14.76 | 11.30 | 12.98 | 12.58 |
| LANGUAGE | | | | | | | | |
| MEAN | 13.33 | 14.57 | 10.71 | 13.13 | 15.23 | 15.12 | 14.72 | 14.85 |
| STANDARD DEVIATION | 4.93 | 5.57 | 4.40 | 5.37 | 9.43 | 7.71 | 6.94 | 7.24 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 18.33 | 15.25 | 11.18 | 14.00 | 13.77 | 15.09 | 15.31 | 15.19 |
| STANDARD DEVIATION | 2.08 | 5.32 | 4.19 | 5.24 | 7.08 | 5.75 | 6.60 | 6.39 |
| RAVENS | | | | | | | | |
| MEAN | 15.33 | 17.32 | 15.88 | 16.69 | 16.54 | 17.17 | 17.00 | 17.03 |
| STANDARD DEVIATION | 3.51 | 4.75 | 5.29 | 4.86 | 3.69 | 4.31 | 4.67 | 4.53 |
| READING | | | | | | | | |
| MEAN | 15.00 | 13.86 | 11.41 | 13.06 | 17.54 | 15.43 | 15.49 | 15.55 |
| STANDARD DEVIATION | 3.61 | 6.59 | 4.69 | 5.88 | 9.82 | 5.12 | 6.39 | 6.21 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 16.00 | 14.11 | 11.82 | 13.42 | 14.38 | 15.13 | 15.41 | 15.29 |
| STANDARD DEVIATION | 6.56 | 5.19 | 5.09 | 5.27 | 8.71 | 6.09 | 7.56 | 7.21 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 11.33 | 12.14 | 8.71 | 10.87 | 9.85 | 11.72 | 11.67 | 11.62 |
| STANDARD DEVIATION | 2.89 | 4.44 | 2.64 | 4.09 | 5.52 | 5.23 | 5.89 | 5.70 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.67 | 36.54 | 33.88 | 35.48 | 32.31 | 35.74 | 35.63 | 35.54 |
| STANDARD DEVIATION | 3.79 | 7.10 | 6.34 | 6.70 | 9.10 | 7.36 | 7.17 | 7.30 |
| TARS(-) | | | | | | | | |
| MEAN | 9.00 | 10.39 | 9.18 | 9.88 | 8.85 | 9.61 | 9.81 | 9.77 |
| STANDARD DEVIATION | 1.73 | 2.60 | 1.47 | 2.27 | 3.26 | 2.90 | 2.69 | 2.77 |
| TARS(+) | | | | | | | | |
| MEAN | 11.67 | 12.04 | 11.59 | 11.85 | 12.31 | 12.80 | 12.87 | 12.83 |
| STANDARD DEVIATION | 1.15 | 3.44 | 2.35 | 2.96 | 2.53 | 2.57 | 2.34 | 2.41 |
| TOTAL READING | | | | | | | | |
| MEAN | 26.33 | 27.89 | 24.71 | 26.67 | 40.69 | 36.28 | 36.98 | 36.92 |
| STANDARD DEVIATION | 11.02 | 12.91 | 7.42 | 11.04 | 20.81 | 12.89 | 15.41 | 14.96 |
| TOTAL MATH | | | | | | | | |
| MEAN | 45.67 | 41.50 | 31.71 | 38.29 | 38.00 | 41.95 | 42.39 | 42.11 |
| STANDARD DEVIATION | 10.69 | 12.03 | 9.54 | 12.01 | 20.17 | 15.14 | 18.48 | 17.65 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.00 | 7.11 | 5.00 | 6.29 | 6.62 | 7.16 | 7.00 | 7.03 |
| STANDARD DEVIATION | 3.61 | 3.02 | 2.09 | 2.88 | 3.45 | 3.36 | 3.28 | 3.30 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 7.33 | 7.46 | 5.71 | 6.83 | 8.62 | 7.96 | 7.72 | 7.82 |
| STANDARD DEVIATION | 1.53 | 4.19 | 3.33 | 3.83 | 6.60 | 5.39 | 4.91 | 5.10 |

## Table C13-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR SEDL MODEL IN LOS ANGELES, CA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 26 | 65 | 30 | 121 | 10 | 2 | 12 | 24 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 21.38 | 21.38 | 19.70 | 20.97 | 23.40 | 28.00 | 21.00 | 22.58 |
| STANDARD DEVIATION | 10.01 | 9.77 | 9.83 | 9.78 | 7.82 | 0.00 | 8.70 | 8.02 |
| SPELLING | | | | | | | | |
| MEAN | 15.46 | 14.77 | 13.70 | 14.65 | 17.60 | 17.00 | 15.33 | 16.42 |
| STANDARD DEVIATION | 10.79 | 11.65 | 12.71 | 11.67 | 10.53 | 5.66 | 13.19 | 11.37 |
| LANGUAGE | | | | | | | | |
| MEAN | 15.31 | 14.72 | 14.10 | 14.69 | 13.60 | 13.00 | 12.58 | 13.04 |
| STANDARD DEVIATION | 6.61 | 6.16 | 5.36 | 6.03 | 3.27 | 2.83 | 4.21 | 3.64 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 17.85 | 18.65 | 17.63 | 18.22 | 19.60 | 24.00 | 15.42 | 17.87 |
| STANDARD DEVIATION | 6.54 | 6.69 | 7.09 | 6.72 | 5.99 | 2.83 | 7.39 | 6.94 |
| RAVENS | | | | | | | | |
| MEAN | 20.62 | 21.48 | 20.17 | 20.97 | 19.20 | 22.50 | 18.92 | 19.33 |
| STANDARD DEVIATION | 4.96 | 4.32 | 4.94 | 4.62 | 4.34 | 3.54 | 4.54 | 4.33 |
| READING | | | | | | | | |
| MEAN | 17.88 | 17.74 | 16.90 | 17.56 | 17.50 | 17.50 | 16.42 | 16.96 |
| STANDARD DEVIATION | 6.84 | 8.11 | 7.71 | 7.71 | 5.44 | 3.54 | 5.45 | 5.16 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 18.27 | 17.65 | 18.17 | 17.91 | 20.70 | 21.50 | 14.00 | 17.42 |
| STANDARD DEVIATION | 7.60 | 7.83 | 8.01 | 7.77 | 6.18 | .71 | 5.22 | 6.34 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 13.27 | 13.49 | 13.80 | 13.52 | 12.80 | 12.50 | 12.00 | 12.37 |
| STANDARD DEVIATION | 6.04 | 6.54 | 6.98 | 6.50 | 4.96 | 7.78 | 3.02 | 4.09 |
| COOPERSMITH | | | | | | | | |
| MEAN | 37.23 | 35.97 | 34.57 | 35.89 | 38.70 | 38.00 | 35.67 | 37.12 |
| STANDARD DEVIATION | 5.20 | 5.65 | 11.14 | 7.31 | 4.22 | 14.14 | 5.73 | 5.80 |
| IARS(-) | | | | | | | | |
| MEAN | 9.65 | 9.88 | 9.97 | 9.85 | 9.20 | 9.50 | 11.00 | 10.12 |
| STANDARD DEVIATION | 2.59 | 2.72 | 2.68 | 2.66 | 2.70 | 4.95 | 1.54 | 2.42 |
| IARS(+) | | | | | | | | |
| MEAN | 13.27 | 13.00 | 12.73 | 12.99 | 13.40 | 12.50 | 12.33 | 12.79 |
| STANDARD DEVIATION | 2.15 | 1.94 | 2.92 | 2.25 | 2.37 | 3.54 | 3.60 | 3.04 |
| TOTAL READING | | | | | | | | |
| MEAN | 39.27 | 39.12 | 36.60 | 38.53 | 40.90 | 45.50 | 37.42 | 39.54 |
| STANDARD DEVIATION | 16.42 | 16.89 | 17.05 | 16.73 | 12.79 | 3.54 | 12.03 | 11.83 |
| TOTAL MATH | | | | | | | | |
| MEAN | 49.38 | 49.78 | 49.60 | 49.65 | 53.10 | 58.00 | 41.42 | 47.67 |
| STANDARD DEVIATION | 18.42 | 19.32 | 19.43 | 19.00 | 14.15 | 5.66 | 13.53 | 14.48 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.08 | 6.66 | 5.60 | 6.49 | 6.70 | 8.50 | 5.92 | 6.46 |
| STANDARD DEVIATION | 3.30 | 2.87 | 3.13 | 3.05 | 2.11 | .71 | 2.71 | 2.41 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.23 | 8.06 | 8.50 | 8.21 | 6.90 | 4.50 | 6.67 | 6.58 |
| STANDARD DEVIATION | 4.65 | 4.19 | 4.35 | 4.30 | 2.73 | 3.54 | 2.81 | 2.76 |

## Table C13-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR SEDL MODEL IN TULARE, CA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 31 | 39 | 64 | 134 | 3 | 24 | 44 | 71 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 19.74 | 26.74 | 22.89 | 23.28 | 16.00 | 20.42 | 21.50 | 20.90 |
| STANDARD DEVIATION | 9.77 | 9.87 | 10.47 | 10.38 | 19.92 | 11.13 | 9.93 | 10.68 |
| SPELLING | | | | | | | | |
| MEAN | 12.52 | 22.23 | 15.64 | 16.84 | 10.67 | 14.33 | 13.75 | 13.82 |
| STANDARD DEVIATION | 10.30 | 11.01 | 12.43 | 12.06 | 16.74 | 12.38 | 10.16 | 11.06 |
| LANGUAGE | | | | | | | | |
| MEAN | 15.90 | 17.69 | 16.59 | 16.75 | 17.00 | 16.21 | 15.23 | 15.63 |
| STANDARD DEVIATION | 7.22 | 8.72 | 8.19 | 8.10 | 9.00 | 7.42 | 5.79 | 6.43 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 20.58 | 17.15 | 18.77 | 18.72 | 14.33 | 14.38 | 15.16 | 14.86 |
| STANDARD DEVIATION | 7.49 | 8.16 | 8.30 | 8.11 | 9.07 | 5.45 | 6.28 | 6.04 |
| RAVENS | | | | | | | | |
| MEAN | 18.65 | 19.92 | 18.95 | 19.16 | 19.67 | 20.75 | 18.73 | 19.45 |
| STANDARD DEVIATION | 4.55 | 4.16 | 5.26 | 4.80 | 4.62 | 3.93 | 3.72 | 3.88 |
| READING | | | | | | | | |
| MEAN | 16.81 | 20.28 | 18.34 | 18.55 | 15.00 | 18.08 | 15.77 | 16.52 |
| STANDARD DEVIATION | 7.85 | 7.12 | 6.80 | 7.20 | 12.77 | 6.45 | 5.07 | 5.95 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 16.68 | 16.08 | 15.53 | 15.96 | 14.33 | 14.67 | 13.82 | 14.13 |
| STANDARD DEVIATION | 6.98 | 6.75 | 8.06 | 7.42 | 11.02 | 6.91 | 5.62 | 6.22 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 12.68 | 13.36 | 12.37 | 12.73 | 11.67 | 11.79 | 12.39 | 12.15 |
| STANDARD DEVIATION | 5.95 | 6.61 | 7.42 | 6.84 | 10.97 | 5.62 | 5.69 | 5.81 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.77 | 35.46 | 36.22 | 36.13 | 35.67 | 33.17 | 35.02 | 34.42 |
| STANDARD DEVIATION | 6.23 | 6.66 | 6.76 | 6.58 | 5.13 | 4.84 | 7.04 | 6.31 |
| IARS(-) | | | | | | | | |
| MEAN | 9.74 | 10.15 | 9.36 | 9.68 | 10.33 | 9.04 | 9.00 | 9.07 |
| STANDARD DEVIATION | 2.29 | 2.27 | 2.52 | 2.40 | 3.21 | 3.17 | 2.22 | 2.59 |
| IARS(+) | | | | | | | | |
| MEAN | 13.00 | 13.05 | 13.09 | 13.06 | 13.00 | 12.92 | 12.20 | 12.48 |
| STANDARD DEVIATION | 2.61 | 1.89 | 2.46 | 2.33 | 2.00 | 2.50 | 2.86 | 2.70 |
| TOTAL READING | | | | | | | | |
| MEAN | 36.55 | 47.03 | 41.23 | 41.84 | 31.00 | 38.50 | 37.27 | 37.42 |
| STANDARD DEVIATION | 16.29 | 16.06 | 16.66 | 16.72 | 32.23 | 17.03 | 14.28 | 15.89 |
| TOTAL MATH | | | | | | | | |
| MEAN | 49.94 | 46.59 | 46.67 | 47.40 | 40.33 | 40.83 | 41.36 | 41.14 |
| STANDARD DEVIATION | 18.35 | 19.47 | 22.53 | 20.65 | 30.73 | 16.39 | 15.63 | 16.29 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.32 | 7.28 | 6.69 | 6.78 | 6.00 | 7.38 | 7.02 | 7.10 |
| STANDARD DEVIATION | 2.36 | 3.17 | 2.81 | 2.83 | 3.61 | 3.82 | 3.03 | 3.30 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 9.58 | 10.41 | 9.91 | 9.98 | 11.00 | 8.83 | 8.20 | 8.54 |
| STANDARD DEVIATION | 5.50 | 6.90 | 6.22 | 6.23 | 5.57 | 4.68 | 4.04 | 4.30 |

## Table C13-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR SEDL MODEL IN ST. MARTIN PARISH, LA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 81 | 2 | 30 | 113 | 28 | 5 | 40 | 73 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 18.95 | 12.50 | 17.87 | 18.55 | 18.32 | 20.00 | 20.63 | 19.70 |
| STANDARD DEVIATION | 8.27 | .71 | 7.88 | 8.11 | 7.79 | 10.39 | 7.72 | 7.89 |
| SPELLING | | | | | | | | |
| MEAN | 12.27 | 0.00 | 10.77 | 11.65 | 13.75 | 9.80 | 16.77 | 15.14 |
| STANDARD DEVIATION | 13.03 | 0.00 | 12.64 | 12.87 | 13.86 | 12.99 | 12.17 | 12.88 |
| LANGUAGE | | | | | | | | |
| MEAN | 15.32 | 15.00 | 14.83 | 15.19 | 14.86 | 15.60 | 16.88 | 16.01 |
| STANDARD DEVIATION | 5.84 | 0.00 | 6.49 | 5.94 | 7.22 | 3.36 | 6.72 | 6.75 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 15.91 | 16.50 | 16.07 | 15.96 | 16.21 | 14.00 | 15.02 | 15.41 |
| STANDARD DEVIATION | 6.43 | 4.95 | 7.03 | 6.53 | 8.32 | 4.53 | 6.59 | 7.15 |
| RAVENS | | | | | | | | |
| MEAN | 16.01 | 16.50 | 17.63 | 16.45 | 15.04 | 15.20 | 16.90 | 16.07 |
| STANDARD DEVIATION | 4.86 | 7.78 | 5.54 | 5.09 | 4.83 | 5.40 | 5.06 | 5.01 |
| READING | | | | | | | | |
| MEAN | 15.02 | 16.50 | 14.23 | 14.84 | 15.07 | 16.00 | 16.92 | 16.15 |
| STANDARD DEVIATION | 6.12 | 3.54 | 5.00 | 5.79 | 6.15 | 4.85 | 6.60 | 6.31 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 13.63 | 10.00 | 13.60 | 13.56 | 13.96 | 11.00 | 14.35 | 13.97 |
| STANDARD DEVIATION | 6.53 | 2.83 | 6.03 | 6.34 | 6.25 | 7.35 | 5.87 | 6.08 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 11.23 | 11.50 | 11.67 | 11.35 | 11.39 | 10.40 | 12.12 | 11.73 |
| STANDARD DEVIATION | 4.92 | .71 | 5.43 | 4.99 | 5.86 | 3.65 | 4.58 | 5.02 |
| COOPERSMITH | | | | | | | | |
| MEAN | 35.72 | 35.00 | 36.23 | 35.84 | 36.07 | 37.00 | 36.58 | 36.41 |
| STANDARD DEVIATION | 6.40 | 8.49 | 6.72 | 6.45 | 9.14 | 7.31 | 7.16 | 7.88 |
| IAPS(-) | | | | | | | | |
| MEAN | 10.07 | 9.00 | 8.80 | 9.72 | 9.86 | 8.20 | 9.73 | 9.67 |
| STANDARD DEVIATION | 2.28 | 4.24 | 3.03 | 2.57 | 3.36 | 2.59 | 2.89 | 3.05 |
| IAPS(+) | | | | | | | | |
| MEAN | 12.05 | 10.50 | 12.07 | 12.03 | 12.07 | 11.60 | 13.37 | 12.75 |
| STANDARD DEVIATION | 2.73 | 4.95 | 2.77 | 2.75 | 2.32 | 2.19 | 2.26 | 2.36 |
| TOTAL READING | | | | | | | | |
| MEAN | 33.98 | 29.00 | 32.10 | 33.39 | 33.39 | 36.00 | 37.55 | 35.85 |
| STANDARD DEVIATION | 13.53 | 2.83 | 11.61 | 12.92 | 13.29 | 14.68 | 13.62 | 13.52 |
| TOTAL MATH | | | | | | | | |
| MEAN | 40.78 | 38.00 | 41.33 | 40.88 | 41.57 | 35.40 | 41.50 | 41.11 |
| STANDARD DEVIATION | 15.94 | 2.83 | 16.19 | 15.80 | 19.08 | 14.33 | 14.71 | 16.35 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.27 | 6.00 | 6.83 | 7.13 | 6.36 | 7.00 | 7.72 | 7.15 |
| STANDARD DEVIATION | 3.02 | 2.83 | 2.96 | 2.99 | 3.11 | 2.65 | 3.44 | 3.29 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.05 | 9.00 | 8.00 | 8.05 | 8.50 | 8.60 | 9.15 | 8.86 |
| STANDARD DEVIATION | 3.99 | 2.83 | 4.35 | 4.05 | 5.04 | .89 | 4.63 | 4.62 |

## Table C13-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR SEDL MODEL IN SAN DIEGO, TX

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 47 | 5 | 24 | 76 | 1 | 2 | 38 | 41 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 17.28 | 20.00 | 19.00 | 18.00 | 33.00 | 23.50 | 23.92 | 24.12 |
| STANDARD DEVIATION | 9.53 | 9.80 | 9.45 | 9.44 | 0.00 | 3.54 | 8.71 | 8.52 |
| SPELLING | | | | | | | | |
| MEAN | 14.51 | 11.40 | 15.37 | 14.58 | 32.00 | 28.00 | 23.24 | 23.68 |
| STANDARD DEVIATION | 12.31 | 12.60 | 12.08 | 12.13 | 0.00 | 7.07 | 12.43 | 12.12 |
| LANGUAGE | | | | | | | | |
| MEAN | 17.79 | 16.00 | 16.04 | 17.12 | 17.00 | 18.50 | 16.34 | 16.46 |
| STANDARD DEVIATION | 9.63 | 7.97 | 8.50 | 9.12 | 0.00 | 3.54 | 6.31 | 6.11 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 21.06 | 19.40 | 21.33 | 21.04 | 17.00 | 26.00 | 18.39 | 18.73 |
| STANDARD DEVIATION | 7.09 | 6.47 | 8.27 | 7.37 | 0.00 | 2.83 | 6.26 | 6.27 |
| RAVENS | | | | | | | | |
| MEAN | 21.09 | 19.60 | 19.21 | 20.39 | 20.00 | 25.50 | 20.34 | 20.59 |
| STANDARD DEVIATION | 4.05 | 2.70 | 4.40 | 4.15 | 0.00 | .71 | 3.82 | 3.84 |
| READING | | | | | | | | |
| MEAN | 16.57 | 17.80 | 15.58 | 16.34 | 25.00 | 21.50 | 17.53 | 17.90 |
| STANDARD DEVIATION | 7.23 | 8.56 | 5.59 | 6.77 | 0.00 | 9.19 | 6.02 | 6.14 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 15.91 | 15.40 | 15.17 | 15.64 | 19.00 | 23.00 | 16.34 | 16.73 |
| STANDARD DEVIATION | 5.94 | 9.56 | 6.62 | 6.33 | 0.00 | 2.83 | 5.16 | 5.21 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 13.34 | 11.40 | 12.42 | 12.92 | 17.00 | 22.00 | 12.84 | 13.39 |
| STANDARD DEVIATION | 6.12 | 6.73 | 5.28 | 5.86 | 0.00 | 1.41 | 5.69 | 5.86 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.19 | 29.20 | 33.71 | 33.71 | 35.00 | 36.50 | 34.61 | 34.71 |
| STANDARD DEVIATION | 5.63 | 10.99 | 7.90 | 6.82 | 0.00 | 6.36 | 5.99 | 5.87 |
| IARS(-) | | | | | | | | |
| MEAN | 10.70 | 8.80 | 9.88 | 10.32 | 14.00 | 11.00 | 10.21 | 10.34 |
| STANDARD DEVIATION | 2.40 | 1.79 | 2.03 | 2.30 | 0.00 | 1.41 | 2.56 | 2.55 |
| IARS(+) | | | | | | | | |
| MEAN | 12.60 | 11.60 | 12.21 | 12.41 | 13.00 | 14.50 | 12.26 | 12.39 |
| STANDARD DEVIATION | 2.30 | 3.05 | 2.64 | 2.44 | 0.00 | .71 | 2.92 | 2.85 |
| TOTAL READING | | | | | | | | |
| MEAN | 33.85 | 37.80 | 34.58 | 34.34 | 58.00 | 45.00 | 41.45 | 42.02 |
| STANDARD DEVIATION | 16.16 | 17.33 | 14.33 | 15.50 | 0.00 | 12.73 | 13.97 | 13.85 |
| TOTAL MATH | | | | | | | | |
| MEAN | 50.32 | 46.20 | 48.92 | 49.61 | 53.00 | 71.00 | 47.58 | 48.85 |
| STANDARD DEVIATION | 17.58 | 22.15 | 18.09 | 17.81 | 0.00 | 1.41 | 14.96 | 15.28 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.62 | 7.00 | 7.46 | 7.53 | 8.00 | 7.50 | 7.50 | 7.51 |
| STANDARD DEVIATION | 3.44 | 4.18 | 3.32 | 3.41 | 0.00 | 2.12 | 2.77 | 2.68 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 10.17 | 9.00 | 8.58 | 9.59 | 9.00 | 11.00 | 8.84 | 8.95 |
| STANDARD DEVIATION | 7.00 | 4.85 | 5.87 | 6.52 | 0.00 | 5.66 | 4.43 | 4.38 |

APPENDIX TABLES
for
VOLUME IV-B

CHAPTER FOURTEEN
CULTURAL LINGUISTIC APPROACH

## Table C14-IIIK-1

### ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT III KINDERGARTEN SITES IN THE CLA MODEL

| | | CHICAGO, IL | | | TOPEKA, KS | | |
|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 0.0 | 0.0 | 11.5 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 3 | 0 | 0 |
| BLACK | Percent | 100.0 | 100.0 | 100.0 | 61.5 | 53.9 | 83.3 |
| | Number | 95 | 93 | 49 | 16 | 7 | 15 |
| ORIENTAL | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 |
| | Number | 0 | 0 | 0 | 0 | 0 | 1 |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | 0.0 | 19.2 | 15.4 | 5.6 |
| | Number | 0 | 0 | 0 | 5 | 2 | 1 |
| PUERTO RICAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 |
| | Number | 0 | 0 | 0 | 0 | 0 | 1 |
| WHITE | Percent | 0.0 | 0.0 | 0.0 | 7.7 | 30.8 | 0.0 |
| | Number | 0 | 0 | 0 | 2 | 4 | 0 |
| OTHER | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 |
| BEST MATCHED SITE | | St. Louis, MO | | | Ravenswood, CA | | |

Table C14-IIIK-2

### DISTRIBUTION OF BACKGROUND VARIABLES
### COHORT III KINDERGARTEN CHILDREN
### FOR THE CLA MODEL

| | SPONSOR'S SITES | | | CHICAGO, IL | | | TOPEKA, KS | | |
|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE Number | — | — | — | 95 | 93 | 49 | 26 | 13 | 18 |
| FALL KINDERGARTEN WRAT Mean Score | 31.8 | 32.9 | — | 32.3 | 28.2 | 30.3 | 31.4 | 37.5 | 30.3 |
| PERCENT WITH PRESCHOOL | 85 | 55 | — | 75 | 48 | 61 | 96 | 62 | 17 |
| Number Responding | — | — | — | 95 | 90 | 36 | 26 | 13 | 12 |
| CHILDREN'S ETHNICITY | | | | | | | | | |
| Percent Black | 81 | 77 | — | 100 | 100 | 100 | 62 | 54 | 83 |
| Percent White | 4 | 15 | — | 0 | 0 | 0 | 8 | 31 | 0 |
| Percent Other | 15 | 8 | — | 0 | 0 | 0 | 31 | 15 | 17 |
| MEDIAN FAMILY INCOME | 4100 | 4750 | — | 3800 | 4500 | 2500 | 4400 | 5000 | 4500 |
| Number Responding | — | — | — | 79 | 84 | 31 | 23 | 10 | 10 |
| MOTHER'S EDUCATION | | | | | | | | | |
| Percent H.S. Graduates | 40 | 39 | — | 39 | 29 | 47 | 40 | 50 | 40 |
| Number Responding | — | — | — | 76 | 80 | 30 | 25 | 10 | 10 |
| FEMALE HEADS OF HOUSEHOLD Percent | 50 | 49 | — | 62 | 65 | 71 | 38 | 33 | 30 |
| BEST MATCHED SITE | | | | St. Louis, MO | | | Ravenswood, CA | | |

Table C14-IIIK-3

### TEACHER BACKGROUND CHARACTERISTICS FOR COHORT III-K SITES IN CLA MODEL

| | Chicago, IL | | Topeka, KS | |
|---|---|---|---|---|
| | FT | NFT | FT | NFT |
| YEARS OF ELEMENTARY TEACHING EXPERIENCE | | | | |
| Mean | 11.33 | 7.59 | 2.00 | 6.75 |
| Standard Deviation | 6.74 | 6.56 | 1.41 | 8.83 |
| N | 9 | 16 | 2 | 2 |
| YEARS IN SCHOOL | | | | |
| Mean | 8.88 | 6.93 | 1.50 | 1.75 |
| Standard Deviation | 4.98 | 5.76 | 0.70 | 1.76 |
| N | 9 | 16 | 2 | 2 |
| YEARS IN MODEL | | | | |
| Mean | 3.00 | 3.00 | 1.50 | 0.50 |
| Standard Deviation | 1.00 | 4.67 | 0.70 | 0 |
| N | 9 | 4 | 2 | 1 |
| TEACHER'S EDUCATION | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 |
| % with B.A. | 44.4 | 37.5 | 100.0 | 50.0 |
| % Some Graduate | 33.3 | 25.0 | 0 | 0 |
| % M.A. or More | 22.2 | 37.5 | 0 | 50.0 |
| N | 9 | 16 | 2 | 2 |
| TEACHER'S CERTIFICATION | | | | |
| % None | 0 | 0 | 0 | 0 |
| % Temporary | 0 | 6.7 | 0 | 0 |
| % Renewable/Permanent | 100.0 | 93.3 | 100.0 | 100.0 |
| N | 9 | 15 | 2 | 2 |
| TEACHER'S ETHNICITY | | | | |
| % White | 37.5 | 56.3 | 0 | 50.0 |
| % Black | 62.5 | 43.8 | 100.0 | 50.0 |
| % Spanish Surname | 0 | 0 | 0 | 0 |
| % Other | 0 | 0 | 0 | 0 |
| N | 8 | 16 | 2 | 2 |
| AGE IN YEARS | | | | |
| Mean | 39.11 | 34.35 | 23.00 | 29.50 |
| Standard Deviation | 11.20 | 10.79 | 1.41 | 6.36 |
| N | 9 | 14 | 2 | 2 |

### Table C14-IIIK-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1975) FOR THE COHORT III KINDERGARTEN SITES IN THE CLA MODEL

| | SPONSOR'S SITES | | | CHICAGO, IL | | | TOPEKA, KS | | |
|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 53.9 | 52.2 | — | 52.3 | 51.1 | 51.1 | 55.4 | 53.3 | 53.3 |
| Number | 2 | 2 | — | 9 | 15 | 14 | 2 | 2 | 1 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — |
| FLEXIBLE CLASSROOM | 52.1 | 43.9 | — | 49.0 | 47.4 | 42.8 | 55.2 | 40.4 | 55.2 |
| Number | 2 | 2 | — | 9 | 15 | 14 | 2 | 2 | 1 |
| Local Mean Difference | 8.2 | — | — | — | — | — | 14.8 | — | — |
| Best Match Mean Difference | — | — | — | 6.2 | — | — | — | — | — |
| INDIVIDUALIZATION | 45.8 | 44.6 | — | 52.5 | 45.4 | 44.1 | 39.1 | 43.8 | 48.4 |
| Number | 2 | 2 | — | 9 | 16 | 14 | 2 | 2 | 1 |
| Local Mean Difference | — | — | — | 7.1 | — | — | -4.6 | — | — |
| Best Match Mean Difference | — | — | — | 8.4 | — | — | -9.3 | — | — |
| ACADEMIC (VS. EMOTIONAL) | 54.7 | 48.1 | — | 51.8 | 50.4 | 50.9 | 57.6 | 45.8 | — |
| EMPHASIS Number | 2 | 2 | — | 9 | 16 | 14 | 2 | 2 | 0 |
| Local Mean Difference | 6.6 | — | — | — | — | — | 11.8 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — |
| SATISFACTION WITH | 61.0 | 51.3 | — | 57.6 | 49.9 | 45.6 | 64.4 | 52.7 | — |
| SPONSOR Number | 2 | 2 | — | 9 | 8 | 8 | 2 | 2 | 0 |
| Local Mean Difference | 9.7 | — | — | 7.7 | — | — | 11.7 | — | — |
| Best Match Mean Difference | — | — | — | 12.0 | — | — | — | — | — |
| BEST MATCHED SITE | | | | St. Louis, MO | | | Ravenswood, CA | | |

## Table C14-IIIK-5

STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1975)
FOR THE COHORT III KINDERGARTEN SITES
IN THE CIA MODEL

| | SPONSOR'S SITES | | | CHICAGO, IL | | | TOPEKA, KS | | |
|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 53.6 | 50.4 | — | 53.2 | 48.6 | 48.4 | 54.1 | 52.2 | 45.9 |
| Number | 2 | 2 | — | 70 | 70 | 29 | 26 | 12 | 13 |
| Local Mean Difference | 3.2 | — | — | 4.6 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 4.8 | — | — | 8.2 | — | — |
| SCHOOL HELPED CHILD | 52.6 | 47.1 | — | 52.5 | 46.5 | 48.0 | 52.7 | 47.6 | 42.9 |
| Number | 2 | 2 | — | 70 | 70 | 29 | 26 | 12 | 13 |
| Local Mean Difference | 5.5 | — | — | 6.0 | — | — | 5.1 | — | — |
| Best Match Mean Difference | — | — | — | 4.5 | — | — | 9.8 | — | — |
| PAC INVOLVEMENT | 55.3 | 45.2 | — | 55.7 | 44.6 | 43.9 | 55.0 | 45.9 | 45.9 |
| Number | 2 | 2 | — | 65 | 63 | 25 | 26 | 11 | 13 |
| Local Mean Difference | 10.1 | — | — | 11.1 | — | — | 9.1 | — | — |
| Best Match Mean Difference | — | — | — | 11.8 | — | — | 9.1 | — | — |
| CHILD READS AT HOME | 50.3 | 48.1 | — | 49.9 | 50.5 | 52.9 | 50.7 | 45.7 | 52.7 |
| Number | 2 | 2 | — | 70 | 70 | 29 | 26 | 12 | 13 |
| Local Mean Difference | — | — | — | — | — | — | 5.0 | — | — |
| Best Match Mean Difference | — | — | — | -2.9 | — | — | — | — | — |
| CHILD'S PROG IN SCHOOL | 52.4 | 50.9 | — | 52.2 | 48.8 | 45.9 | 52.5 | 53.0 | 49.0 |
| Number | 2 | 2 | — | 70 | 70 | 29 | 26 | 12 | 13 |
| Local Mean Difference | — | — | — | 3.4 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 6.3 | — | — | 3.6 | — | — |
| CHILD READ TO AT HOME | 51.5 | 46.0 | — | 53.0 | 51.6 | 52.2 | 50.0 | 40.5 | 51.5 |
| Number | 2 | 2 | — | 70 | 70 | 29 | 26 | 12 | 13 |
| Local Mean Difference | 5.5 | — | — | — | — | — | 9.6 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — |
| PARENT VISITS TO SCHOOL | 53.8 | 46.5 | — | 56.1 | 48.4 | 50.6 | 51.5 | 44.6 | 48.5 |
| Number | 2 | 2 | — | 70 | 70 | 29 | 26 | 12 | 13 |
| Local Mean Difference | 7.3 | — | — | 7.7 | — | — | 6.9 | — | — |
| Best Match Mean Difference | — | — | — | 5.5 | — | — | 3.0 | — | — |
| CHILD'S EMOT ADJUST | 53.3 | 48.2 | — | 54.7 | 48.0 | 51.7 | 51.8 | 48.3 | 44.9 |
| Number | 2 | 2 | — | 70 | 70 | 29 | 26 | 12 | 13 |
| Local Mean Difference | 5.1 | — | — | 6.8 | — | — | 3.4 | — | — |
| Best Match Mean Difference | — | — | — | 3.1 | — | — | 7.0 | — | — |
| SCH HELPED WITH CHILD | 55.1 | 47.9 | — | 55.4 | 48.5 | 48.3 | 54.9 | 47.3 | 44.4 |
| Number | 2 | 2 | — | 70 | 70 | 29 | 26 | 12 | 13 |
| Local Mean Difference | 7.2 | — | — | 6.9 | — | — | 7.6 | — | — |
| Best Match Mean Difference | — | — | — | 7.1 | — | — | 10.5 | — | — |
| SCHOOL'S RECEPTIVITY | 48.2 | 49.0 | — | 50.6 | 48.0 | 48.9 | 45.7 | 49.9 | 49.8 |
| Number | 2 | 2 | — | 70 | 70 | 29 | 26 | 12 | 13 |
| Local Mean Difference | — | — | — | 2.6 | — | — | -4.3 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -4.1 | — | — |
| PARENT LOCUS | 53.2 | 51.9 | — | 52.5 | 53.9 | 53.4 | 53.8 | 49.9 | 50.7 |
| Number | 2 | 2 | — | 70 | 70 | 29 | 26 | 12 | 13 |
| Local Mean Difference | — | — | — | — | — | — | 3.9 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 3.1 | — | — |
| SCH HELPED PERSONALITY | 55.2 | 48.2 | — | 52.7 | 48.7 | 47.4 | 57.7 | 47.8 | 45.7 |
| Number | 2 | 2 | — | 70 | 70 | 29 | 26 | 12 | 13 |
| Local Mean Difference | 7.0 | — | — | 4.0 | — | — | 9.9 | — | — |
| Best Match Mean Difference | — | — | — | 5.3 | — | — | 12.0 | — | — |
| PARENT-CHILD INTERACTION | 54.6 | 49.5 | — | 54.6 | 52.8 | 46.6 | 54.6 | 46.2 | 53.7 |
| Number | 2 | 2 | — | 70 | 70 | 29 | 26 | 12 | 13 |
| Local Mean Difference | 5.1 | — | — | — | — | — | 8.5 | — | — |
| Best Match Mean Difference | — | — | — | 8.0 | — | — | — | — | — |
| BEST MATCHED SITE | | | | St. Louis, MO | | | Ravenswood, CA | | |

## Table C14-IIIK-6

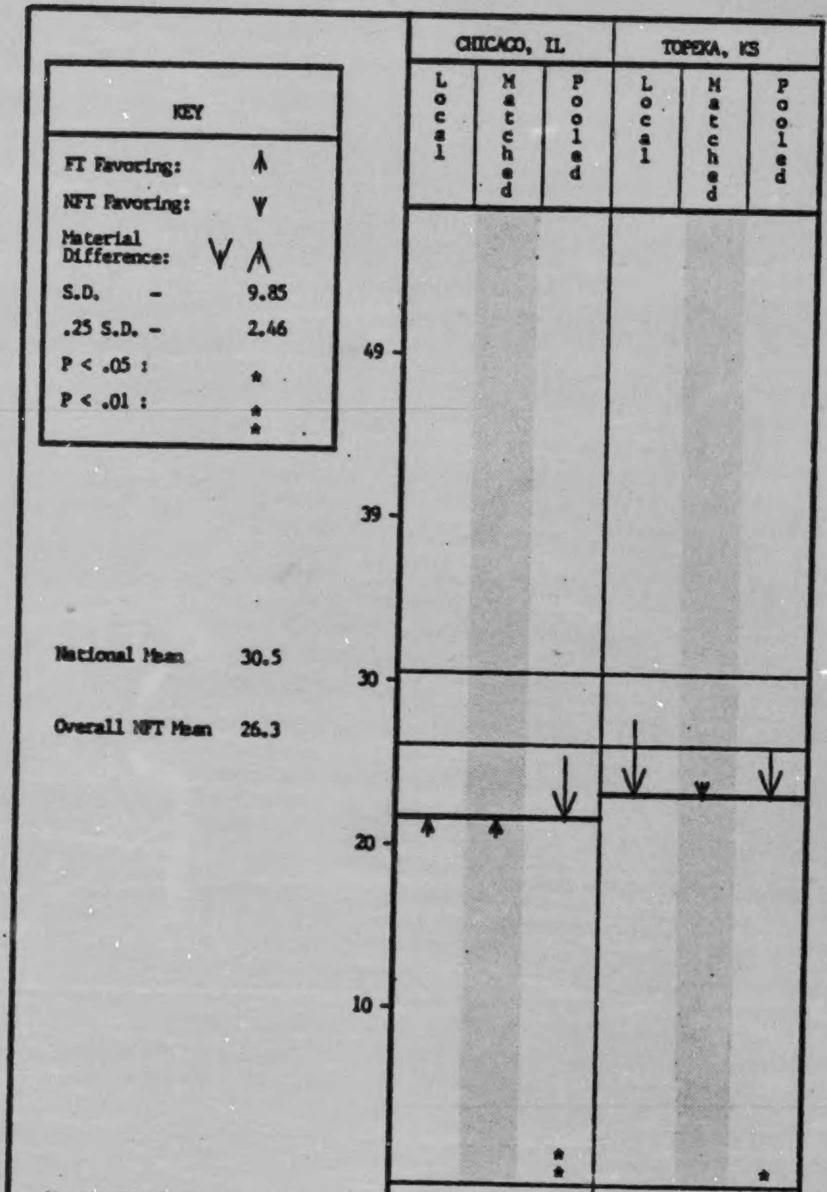
## PROPORTION OF ATTRITION AND DESCRIPTIVE INFORMATION FOR CLA MODEL

| | | Chicago, IL | | Topeka, KS | |
|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT |
| **NUMBER** | | | | | |
| **Total Registration** | **N** | 293 | 490 | 153 | 58 |
| **Children Retained (Analytic Sample)** | **N** | 95 | 92 | 26 | 13 |
| **Children Not Retained (Program and Sample Attrition)** | **N** | 198 | 398 | 127 | 45 |
| | **%*** | 68 | 81 | 83 | 78 |
| **Children Not Retained (Sample Attrition)** | **N** | 25 | 71 | 7 | 10 |
| | **%*** | 9 | 14 | 5 | 17 |
| WRAT | | | | | |
| Total Registration | Mean | 29.3 | 27.2 | 30.6 | 31.5 |
| | Standard Deviation | 12.5 | 12.6 | 12.4 | 13.5 |
| | Number | 267 | 400 | 150 | 57 |
| Children Retained (Analytic Sample) | Mean | 32.3 | 28.3 | 31.3 | 37.5 |
| | Standard Deviation | 12.7 | 11.9 | 12.5 | 12.6 |
| | Number | 91 | 91 | 26 | 13 |
| Children Not Retained (Program and Sample Attrition) | Mean | 27.8 | 26.9 | 30.5 | 29.7 |
| | Standard Deviation | 12.2 | 12.8 | 12.4 | 13.3 |
| | Number | 176 | 309 | 124 | 44 |
| Children Not Retained (Sample Attrition) | Mean | 24.2 | 28.8 | 27.8 | 25.5 |
| | Standard Deviation | 10.0 | 12.3 | 11.1 | 15.2 |
| | Number | 25 | 71 | 7 | 10 |
| INCOME | | | | | |
| Total Registration | Mean | 4420 | 4997 | 4806 | 5262 |
| | Standard Deviation | 2589 | 2748 | 2552 | 3060 |
| | Number | 240 | 348 | 132 | 47 |
| Children Retained (Analytic Sample) | Mean | 4266 | 4844 | 4761 | 5670 |
| | Standard Deviation | 2400 | 2605 | 2691 | 2552 |
| | Number | 79 | 83 | 23 | 10 |
| Children Not Retained (Program and Sample Attrition) | Mean | 4496 | 5045 | 4816 | 5151 |
| | Standard Deviation | 2681 | 2794 | 2534 | 3206 |
| | Number | 161 | 265 | 109 | 37 |
| Children Not Retained (Sample Attrition) | Mean | 3278 | 5013 | 5014 | 4766 |
| | Standard Deviation | 1651 | 3063 | 3176 | 3296 |
| | Number | 23 | 44 | 7 | 9 |

*Percent of Total Registration.

## Table C14-IIIK-7

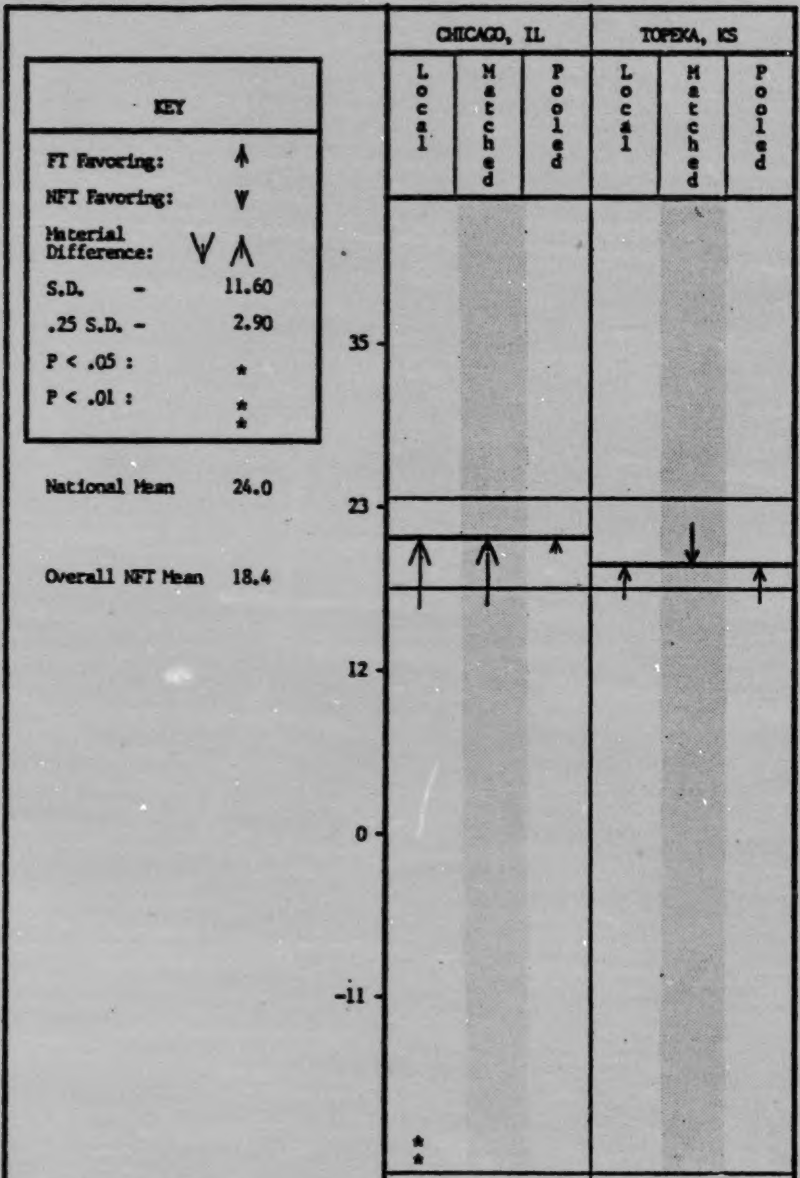
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT WORD KNOWLEDGE FOR COHORT III KINDERGARTEN SITES IN THE CLA MODEL



| | CHICAGO, IL Local | CHICAGO, IL Matched | CHICAGO, IL Pooled | TOPEKA, KS Local | TOPEKA, KS Matched | TOPEKA, KS Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | 1.07 | 0.52 | -3.85 | -4.54 | -0.42 | -2.96 |
| Standard Error | 1.38 | 1.97 | 0.90 | 3.36 | 3.05 | 1.45 |
| FT Mean | 21.57 | | | 23.08 | | |
| No. of FT Children | 95 | | | 26 | | |
| Matched NFT Site | St. Louis, MO | | | Ravenswood, CA | | |

Table C14-IIIK-8

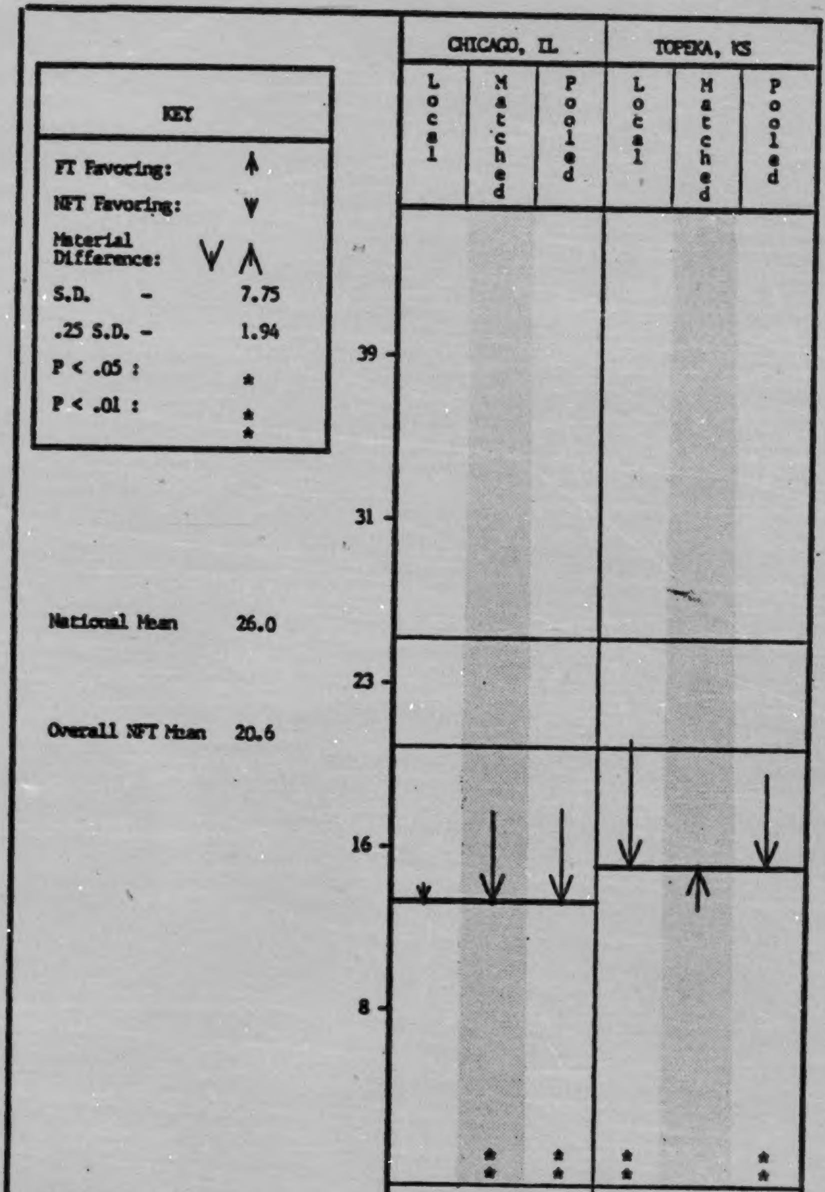
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT SPELLING
FOR COHORT III KINDERGARTEN SITES
IN THE CLA MODEL



| | CHICAGO, IL Local | CHICAGO, IL Matched | CHICAGO, IL Pooled | TOPEKA, KS Local | TOPEKA, KS Matched | TOPEKA, KS Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | 5.03 | 4.79 | 0.69 | 2.34 | -2.88 | 2.59 |
| Standard Error | 1.74 | 2.59 | 1.11 | 4.26 | 4.39 | 1.98 |
| FT Mean | 21.36 | | | 19.50 | | |
| No. of FT Children | 95 | | | 26 | | |
| Matched NFT Site | St. Louis, MO | | | Ravenswood, CA | | |

## Table C14-IIIK-9

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE FOR COHORT III KINDERGARTEN SITES IN THE CLA MODEL

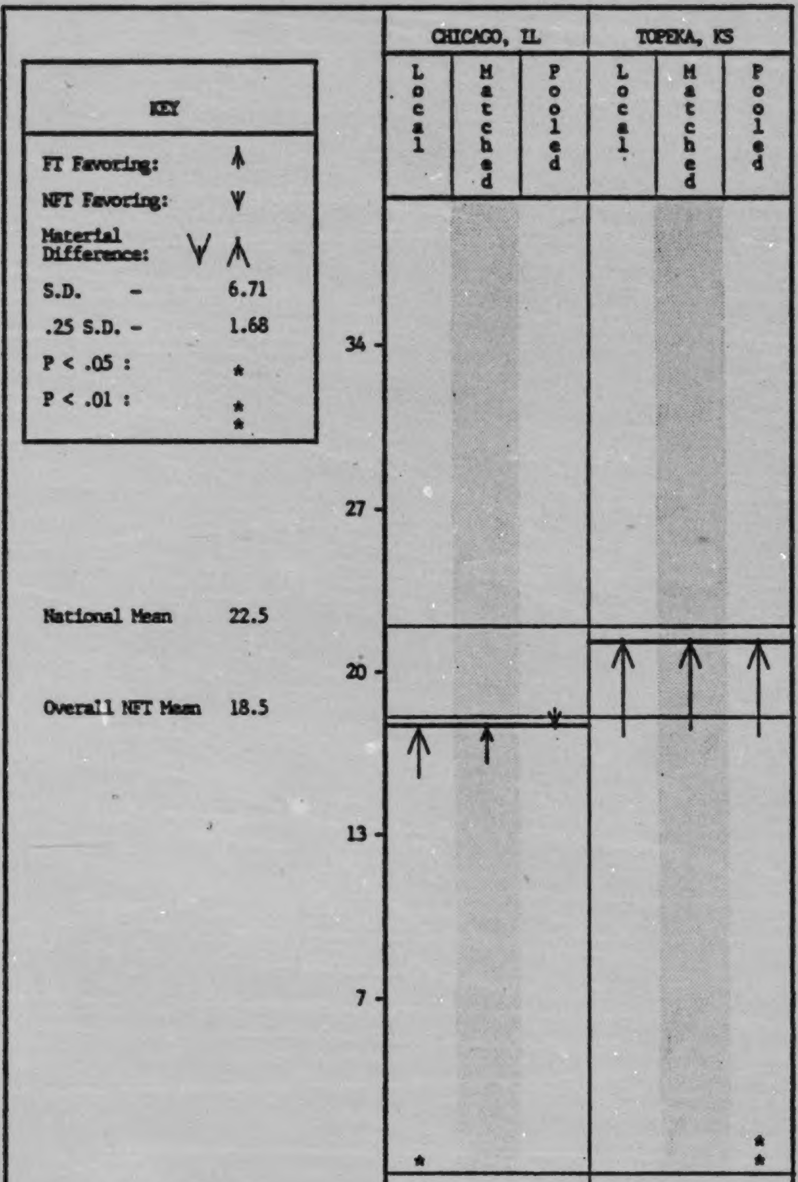


| | CHICAGO, IL Local | CHICAGO, IL Matched | CHICAGO, IL Pooled | TOPEKA, KS Local | TOPEKA, KS Matched | TOPEKA, KS Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.91 | -4.37 | -4.51 | -6.09 | 2.00 | -4.52 |
| Standard Error | 0.94 | 1.47 | 0.63 | 2.29 | 2.10 | 0.85 |
| FT Mean | 13.07 | | | 14.81 | | |
| No. of FT Children | 95 | | | 26 | | |
| Matched NFT Site | St. Louis, MO | | | Ravenswood, CA | | |

**COHORT III-K STUDY**
**Non-Preschool Adjusted**

## Table C14-IIIK-10

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT III KINDERGARTEN SITES IN THE CLA MODEL



| | CHICAGO, IL Local | CHICAGO, IL Matched | CHICAGO, IL Pooled | TOPEKA, KS Local | TOPEKA, KS Matched | TOPEKA, KS Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | 2.11 | 1.57 | -0.04 | 3.93 | 3.63 | 3.93 |
| Standard Error | 0.93 | 1.42 | 0.60 | 2.26 | 2.58 | 1.02 |
| FT Mean | 18.13 | | | 21.62 | | |
| No. of FT Children | 95 | | | 26 | | |
| Matched NFT Site | St. Louis, MO | | | Ravenswood, CA | | |

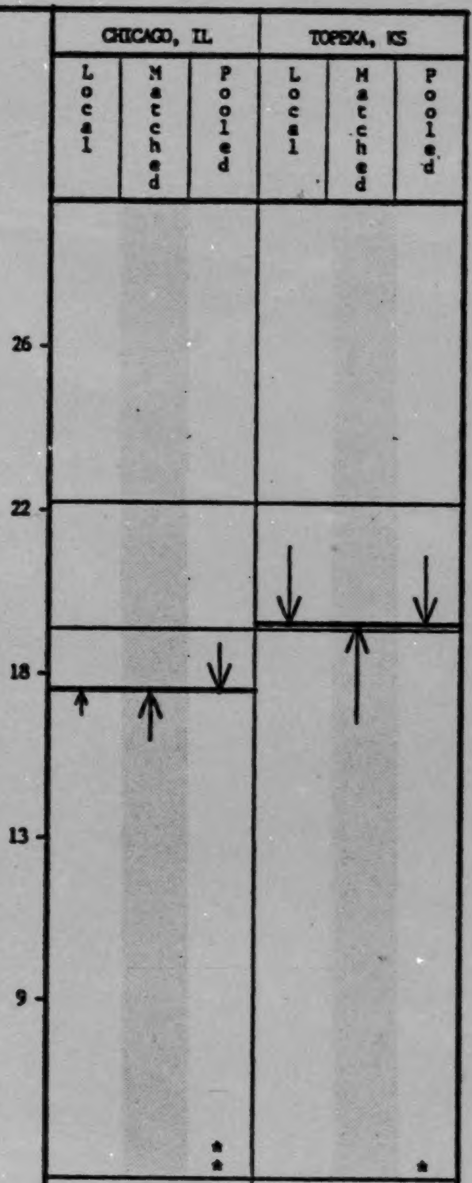
# Table C14-IIIK-11

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE RAVEN S PROGRESSIVE MATRICES FOR COHORT III KINDERGARTEN SITES IN THE CLA MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. - | 4.38 |
| .25 S.D. - | 1.09 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.3

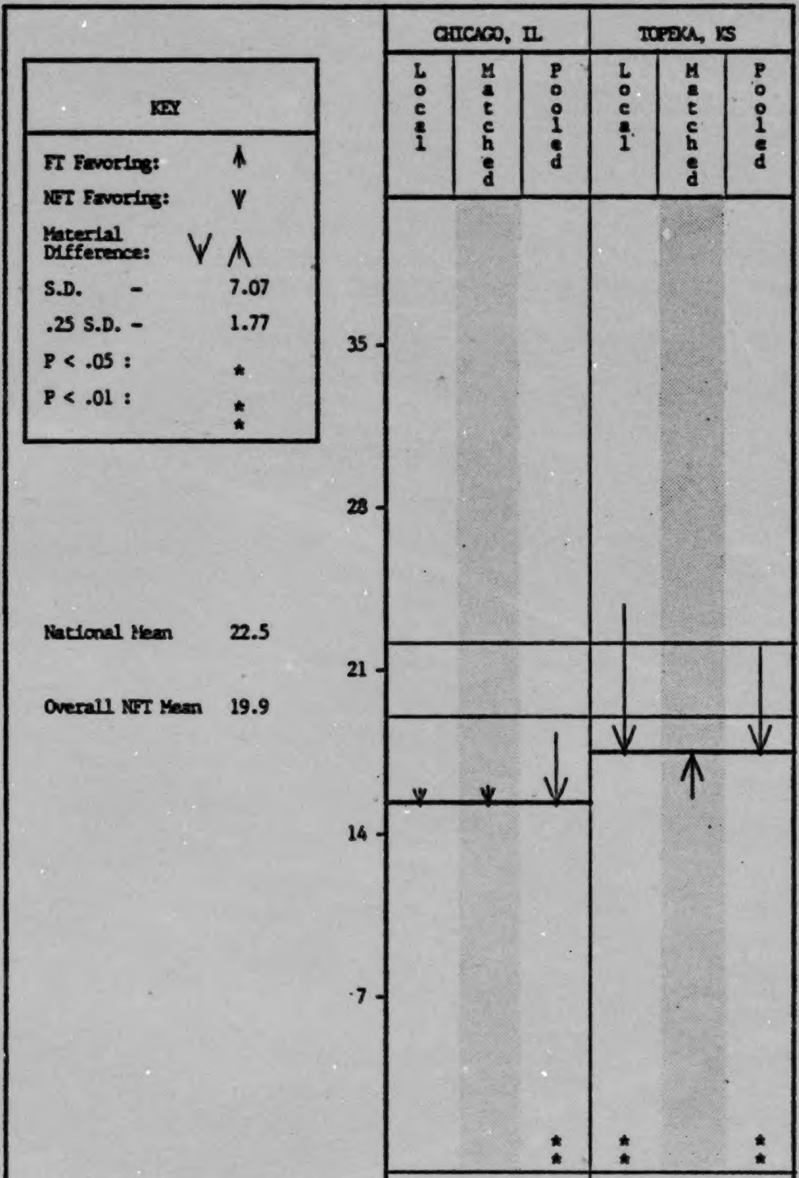
Overall NFT Mean 19.0



| | CHICAGO, IL Local | CHICAGO, IL Matched | CHICAGO, IL Pooled | TOPEKA, KS Local | TOPEKA, KS Matched | TOPEKA, KS Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | 0.69 | 1.34 | -1.26 | -2.11 | 2.65 | -1.85 |
| Standard Error | 0.62 | 0.90 | 0.41 | 1.51 | 1.74 | 0.82 |
| FT Mean | 17.23 | | | 19.04 | | |
| No. of FT Children | 95 | | | 26 | | |
| Matched NFT Site | St. Louis, MO | | | Ravenswood, CA | | |

## Table C14-IIIK-12

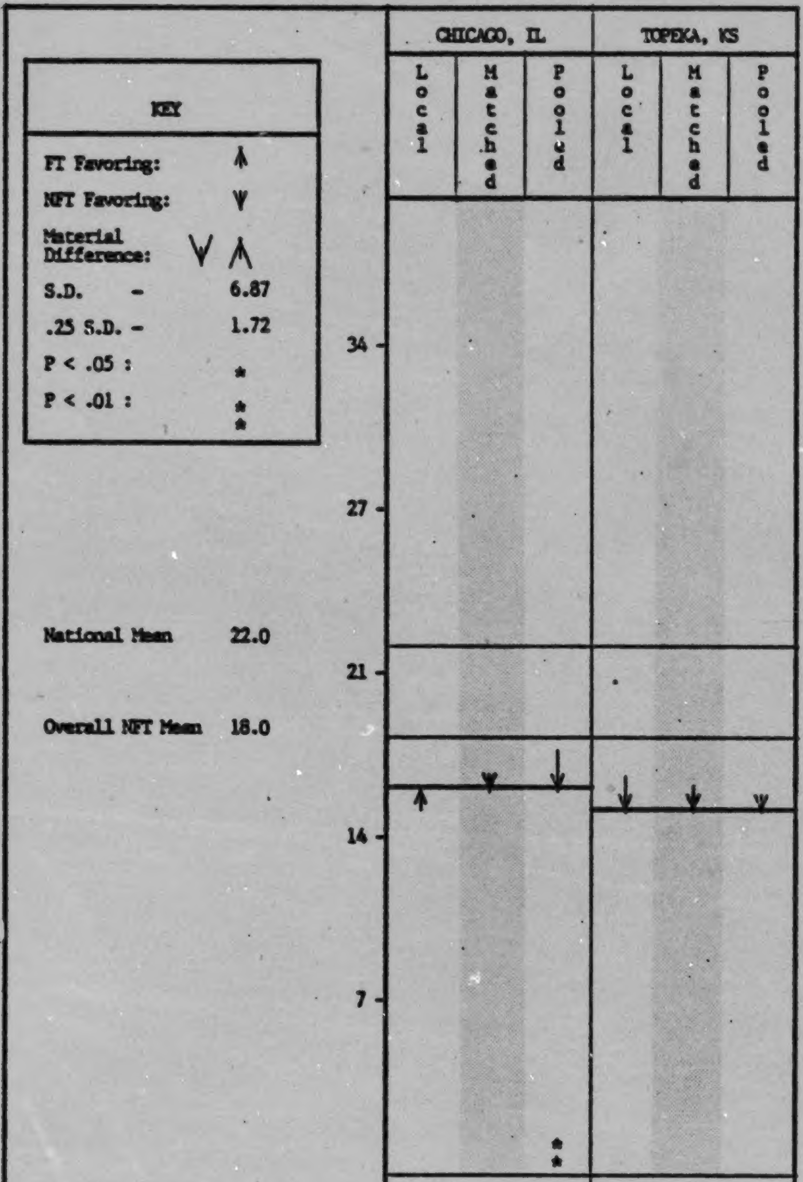
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT READING FOR COHORT III KINDERGARTEN SITES IN THE CLA MODEL



| | CHICAGO, IL | | | TOPEKA, KS | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.53 | -0.32 | -3.07 | -6.42 | 1.97 | -4.49 |
| Standard Error | 0.89 | 1.33 | 0.61 | 2.18 | 2.01 | 0.88 |
| FT Mean | 15.67 | | | 17.89 | | |
| No. of FT Children | 95 | | | 26 | | |
| Matched NFT Site | St. Louis, MO | | | Ravenswood, CA | | |

## Table C14-IIIK-13

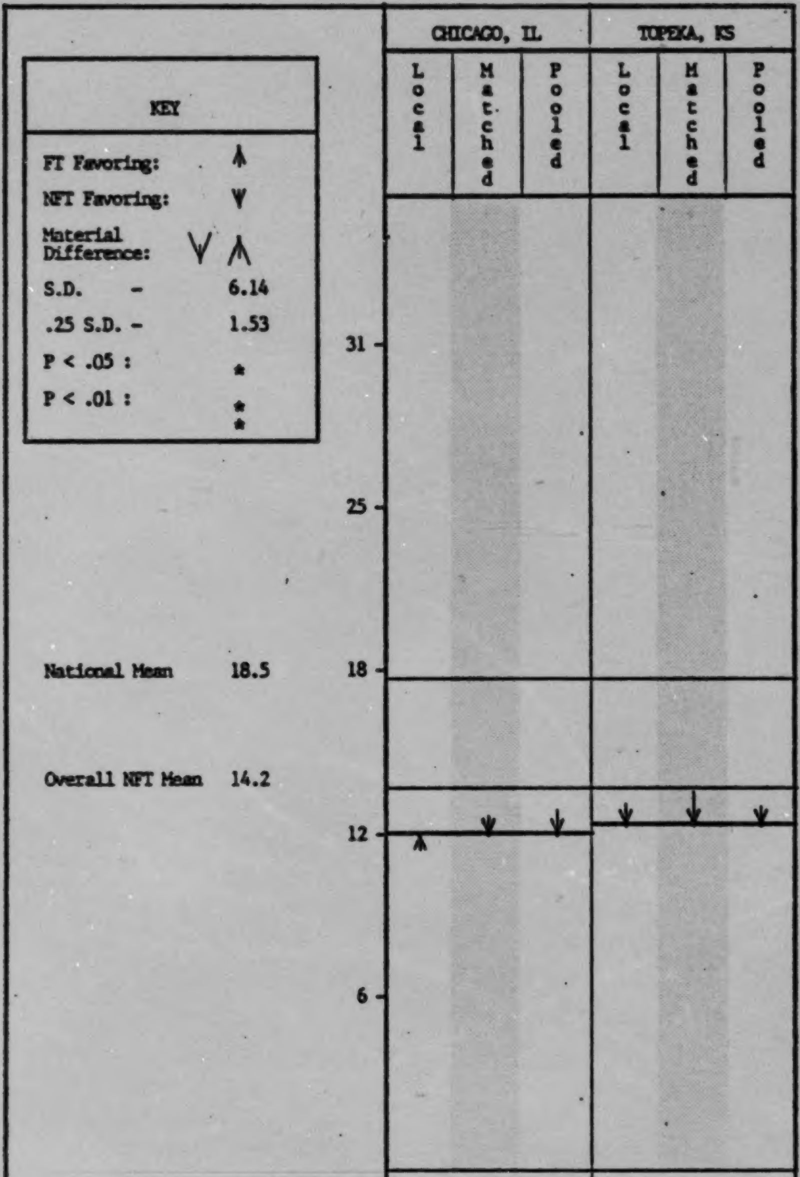
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS CONCEPTS FOR COHORT III KINDERGARTEN SITES IN THE CLA MODEL



| | CHICAGO, IL | | | TOPEKA, KS | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.80 | -0.40 | -1.68 | -1.42 | -1.09 | -0.41 |
| Standard Error | 0.86 | 1.21 | 0.51 | 2.10 | 2.48 | 1.23 |
| FT Mean | 15.92 | | | 15.04 | | |
| No. of FT Children | 95 | | | 26 | | |
| Matched NFT Site | St. Louis, MO | | | Ravenswood, CA | | |

## Table C14-IIIK-14

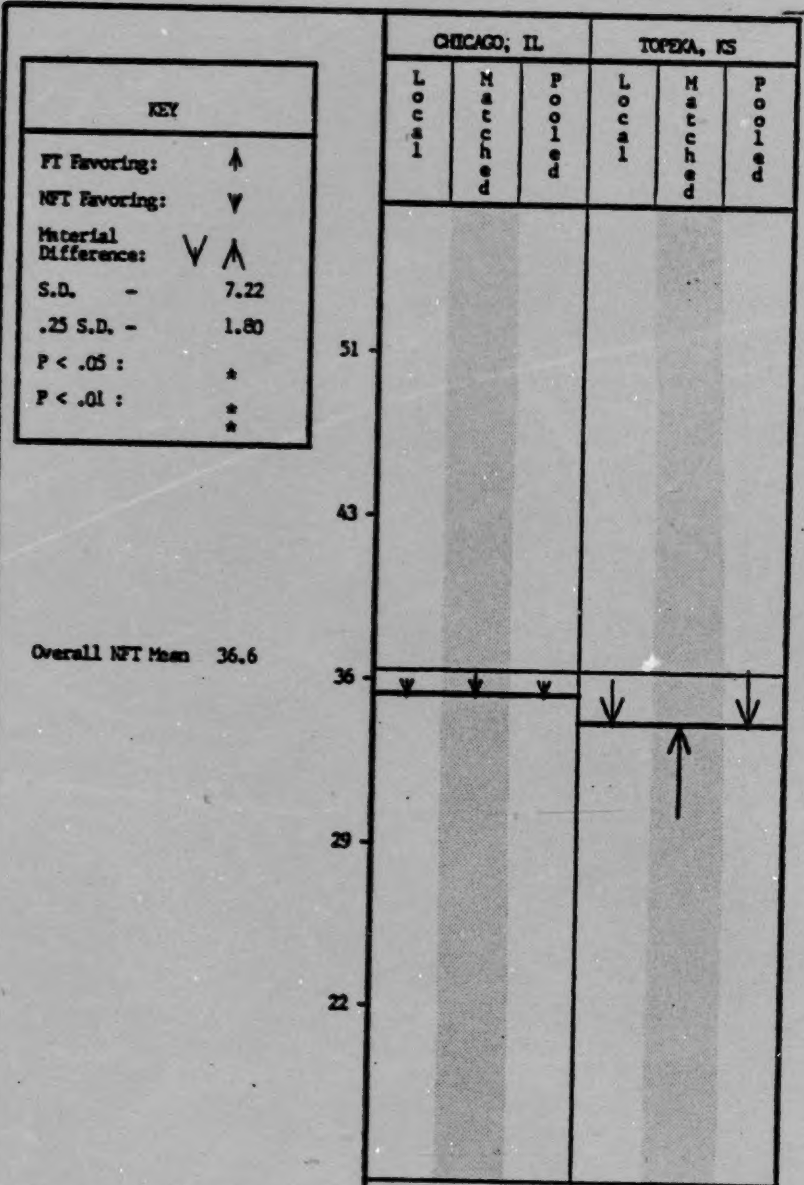
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT III KINDERGARTEN SITES IN THE CLA MODEL



| | CHICAGO, IL | | | TOPEKA, KS | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.35 | -0.03 | -0.88 | -0.78 | -1.25 | -0.46 |
| Standard Error | 0.79 | 1.18 | 0.55 | 1.94 | 2.23 | 0.96 |
| FT Mean | 12.51 | | | 12.85 | | |
| No. of FT Children | 95 | | | 26 | | |
| Matched NFT Site | St. Louis, MO | | | Ravenswood, CA | | |

## Table C14-IIIK-15

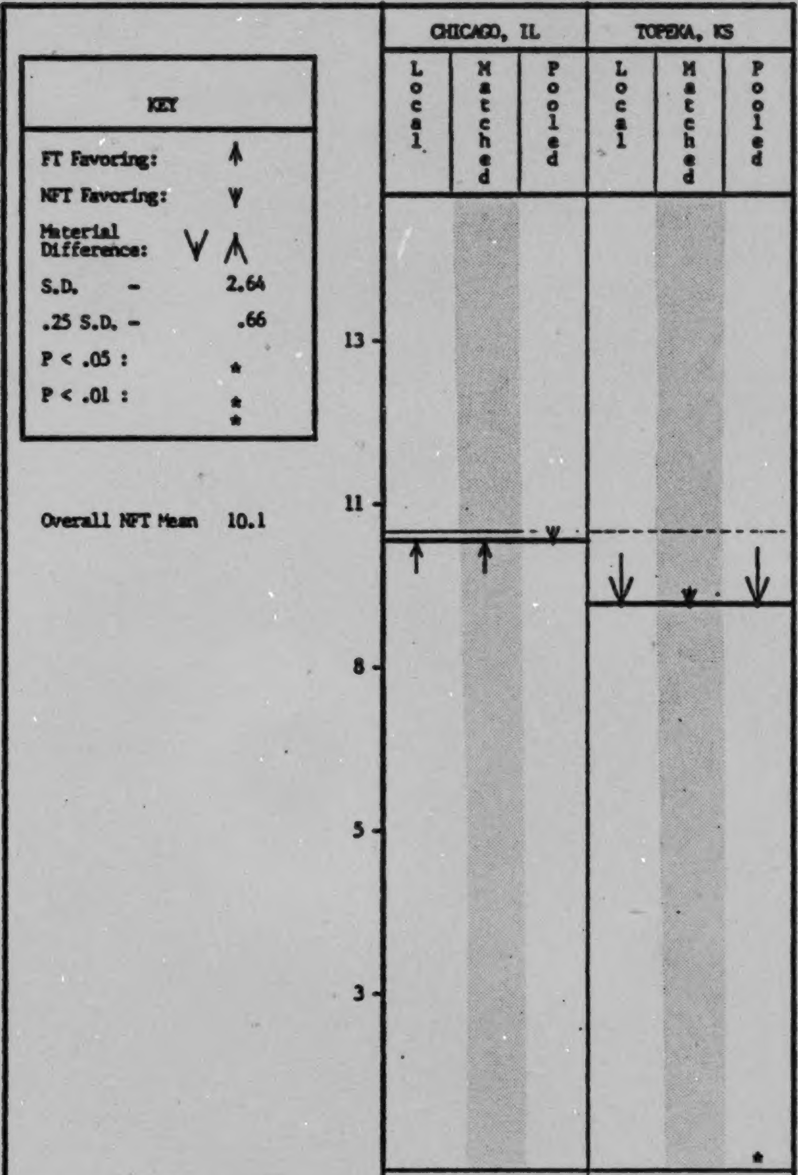
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT III KINDERGARTEN SITES IN THE CLA MODEL



| | CHICAGO, IL | | | TOPEKA, KS | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.18 | -1.01 | -0.57 | -1.91 | 4.00 | -2.49 |
| Standard Error | 1.05 | 1.57 | 0.72 | 2.57 | 3.41 | 1.43 |
| FT Mean | 35.58 | | | 34.46 | | |
| No. of FT Children | 95 | | | 26 | | |
| Matched NFT Site | St. Louis, MO | | | Ravenswood, CA | | |

Table C14-IIIK-16

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT III KINDERGARTEN SITES IN THE CLA MODEL



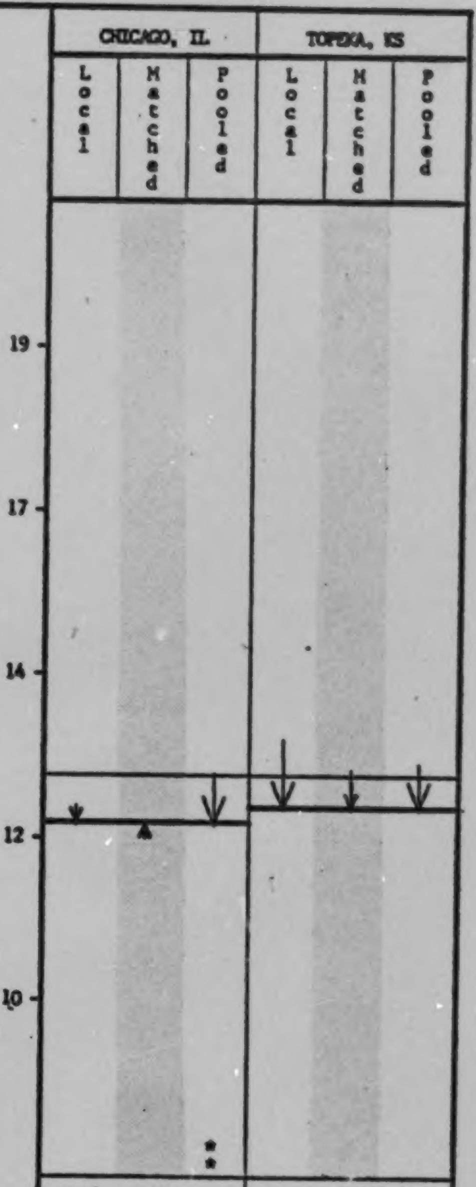
| | CHICAGO, IL Local | CHICAGO, IL Matched | CHICAGO, IL Pooled | TOPEKA, KS Local | TOPEKA, KS Matched | TOPEKA, KS Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | 0.45 | 0.46 | -0.12 | -0.86 | -0.31 | -0.94 |
| Standard Error | 0.41 | 0.64 | 0.28 | 1.00 | 1.31 | 0.44 |
| FT Mean | 10.01 | | | 9.00 | | |
| No. of FT Children | 95 | | | 26 | | |
| Matched NFT Site | St. Louis, MO | | | Ravenswood, CA | | |

## Table C14-IIIK-17

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE FOR COHORT III KINDERGARTEN SITES IN THE CLA MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 2.39 |
| .25 S.D. - | .60 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 13.1



| | CHICAGO, IL Local | CHICAGO, IL Matched | CHICAGO, IL Pooled | TOPEKA, KS Local | TOPEKA, KS Matched | TOPEKA, KS Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.03 | 0.18 | -0.76 | -0.99 | -0.58 | -0.64 |
| Standard Error | 0.37 | 0.52 | 0.22 | 0.91 | 0.92 | 0.48 |
| FT Mean | 12.27 | | | 12.50 | | |
| No. of FT Children | 95 | | | 26 | | |
| Matched NFT Site | St. Louis, MO | | | Ravenswood, CA | | |

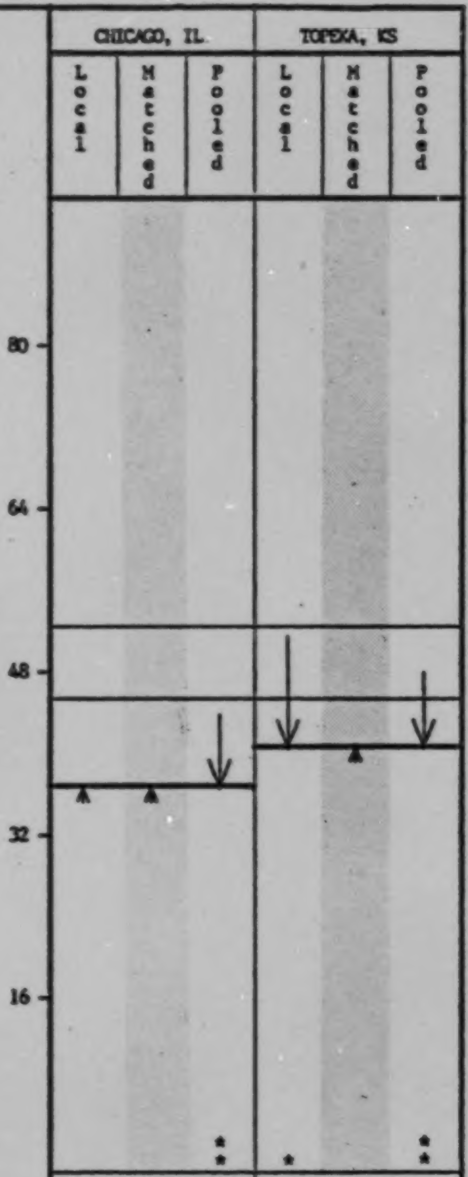
## Table C14-IIIK-18

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL READING FOR COHORT III KINDERGARTEN SITES IN THE CLA MODEL

| KEY | |
|---|---|
| FT Favoring: | ∧ |
| NFT Favoring: | ∨ |
| Material Difference: | ∨ ∧ |
| S.D. - | 15.96 |
| .25 S.D. - | 3.99 |
| P < .05 : | * |
| P < .01 : | * * |

National Mean 53.0

Overall NFT Mean 46.1



| | CHICAGO, IL Local | CHICAGO, IL Matched | CHICAGO, IL Pooled | TOPEKA, KS Local | TOPEKA, KS Matched | TOPEKA, KS Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | 0.54 | 0.19 | -6.91 | -10.96 | 1.55 | -7.45 |
| Standard Error | 2.09 | 3.03 | 1.38 | 5.10 | 4.15 | 2.08 |
| FT Mean | 37.24 | | | 40.96 | | |
| No. of FT Children | 95 | | | 26 | | |
| Matched NFT Site | St. Louis, MO | | | Ravenswood, CA | | |

# Table C14-IIIK-19

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL MATH FOR COHORT III KINDERGARTEN SITES IN THE CLA MODEL

**KEY**

FT Favoring: ↑

NFT Favoring: ↓

Material Difference: ⋁ ⋀

S.D. - 17.83

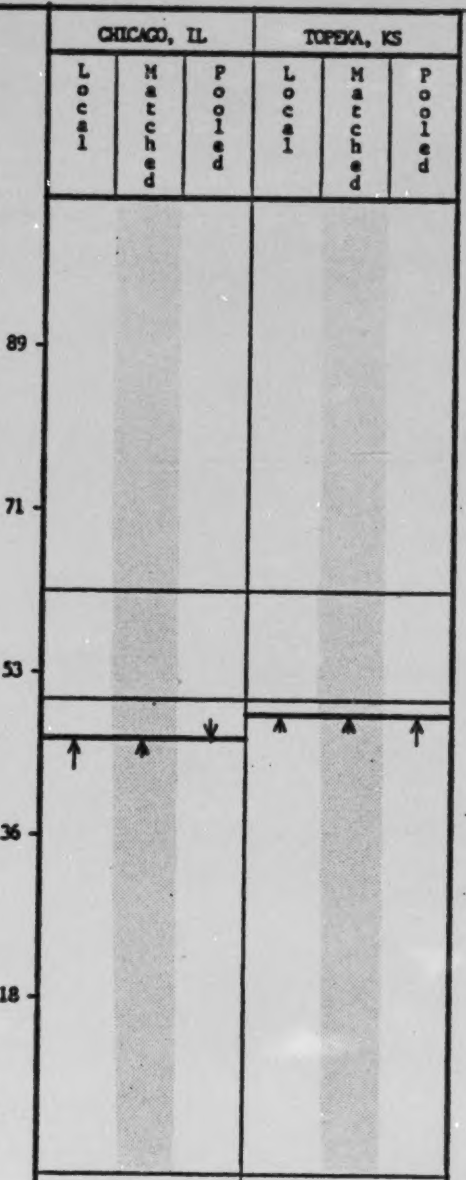
.25 S.D. - 4.46

P < .05 : *

P < .01 : **

National Mean 63.0

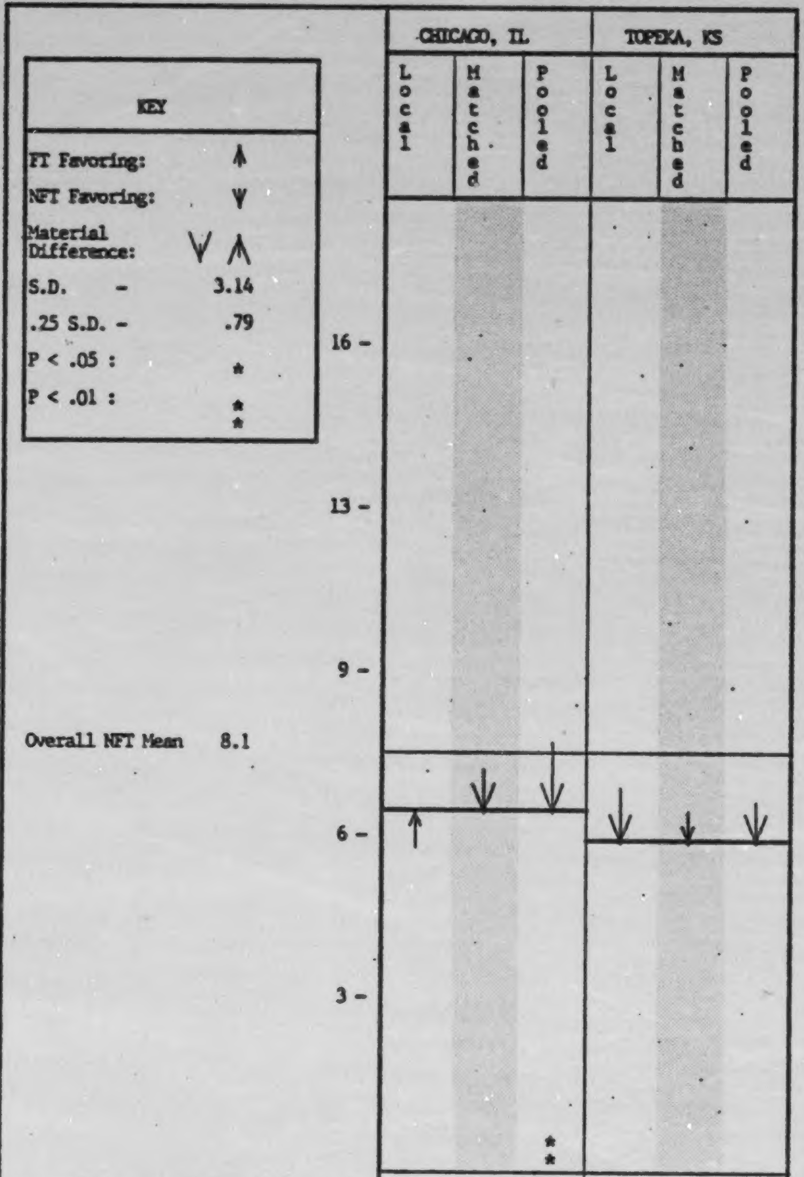
Overall NFT Mean 50.8



| | CHICAGO, IL Local | CHICAGO, IL Matched | CHICAGO, IL Pooled | TOPEKA, KS Local | TOPEKA, KS Matched | TOPEKA, KS Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | 3.26 | 1.14 | -2.57 | 1.73 | 1.29 | 3.11 |
| Standard Error | 2.21 | 3.22 | 1.40 | 5.39 | 6.44 | 2.72 |
| FT Mean | 46.55 | | | 49.50 | | |
| No. of FT Children | 95 | | | 26 | | |
| Matched NFT Site | St. Louis, MO | | | Ravenswood, CA | | |

## Table C14-IIIK-20

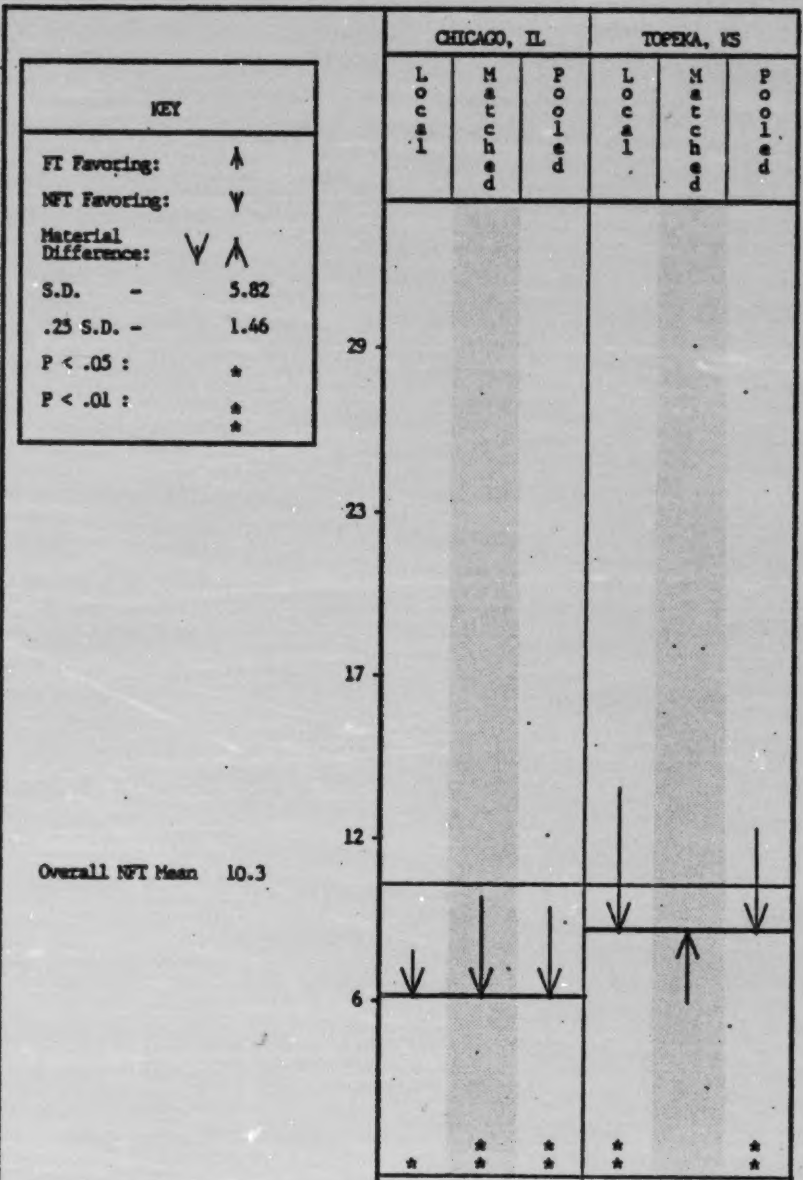
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT III KINDERGARTEN SITES IN THE CLA MODEL



| | CHICAGO, IL | | | TOPEKA, KS | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.71 | -0.83 | -1.33 | -1.07 | -0.60 | -0.81 |
| Standard Error | 0.46 | 0.71 | 0.32 | 1.12 | 1.24 | 0.46 |
| FT Mean | 6.85 | | | 6.23 | | |
| No. of FT Children | 95 | | | 26 | | |
| Matched NFT Site | St. Louis, MO | | | Ravenswood, CA | | |

## Table C14-IIIK-21

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT III KINDERGARTEN SITES IN THE CLA MODEL



| | CHICAGO, IL Local | CHICAGO, IL Matched | CHICAGO, IL Pooled | TOPEKA, KS Local | TOPEKA, KS Matched | TOPEKA, KS Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -1.61 | -3.54 | -3.18 | -5.02 | 2.60 | -3.71 |
| Standard Error | 0.69 | 1.07 | 0.44 | 1.67 | 1.60 | 0.67 |
| FT Mean | 6.22 | | | 8.58 | | |
| No. of FT Children | 95 | | | 26 | | |
| Matched NFT Site | St. Louis, MO | | | Ravenswood, CA | | |

## Table C14-IIIK-22

### STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS
### COHORT III KINDERGARTEN CHILDREN
### FOR THE CLA MODEL

| | | SPONSOR'S SITES | | | CHICAGO, IL | | | TOPEKA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | MAT NORM POPULATION | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | |
| Third Grade Median | 61 | 53.8 | 59.3 | — | 52.1 | 51.6 | 52.3 | 55.5 | 67.0 | 55.2 |
| Median Percentile | 50 | 28.0 | 42.0 | 28.0 | 22.0 | 22.0 | 22.0 | 34.0 | 66.0 | 30.0 |
| Grade Equivalent | 3.5 | 2.8 | 3.3 | 2.8 | 2.6 | 2.6 | 2.6 | 3.0 | 4.2 | 2.9 |
| 1 Year or More Below Grade Level | 20 | 38.0 | 40.1 | — | 45.3 | 49.5 | 44.9 | 30.8 | 30.8 | 22.2 |
| TOTAL MATHEMATICS | | | | | | | | | | |
| Third Grade Median | 70.5 | 61.9 | 60.3 | — | 61.4 | 57.6 | 58.2 | 62.5 | 63.0 | 60.5 |
| Median Percentile | 50 | 23.0 | 18.0 | 16.0 | 20.0 | 14.0 | 14.0 | 26.0 | 26.0 | 20.0 |
| Grade Equivalent | 3.75 | 3.1 | 3.0 | 2.9 | 3.0 | 2.8 | 2.8 | 3.2 | 3.2 | 3.0 |
| 1 Year or More Below Grade Level | 12 | 28.7 | 47.8 | — | 30.5 | 49.5 | 42.9 | 26.9 | 46.2 | 38.9 |
| SPELLING | | | | | | | | | | |
| Third Grade Median | 64 | 62.2 | 61.1 | — | 64.4 | 55.1 | 59.8 | 60.0 | 67.0 | 65.5 |
| Median Percentile | 50 | 44.0 | 40.0 | 48.0 | 50.0 | 23.0 | 38.0 | 38.0 | 60.0 | 58.0 |
| Grade Equivalent | 3.6 | 3.4 | 3.3 | 3.5 | 3.6 | 2.7 | 3.1 | 3.1 | 4.1 | 3.9 |
| 1 Year or More Below Grade Level | 22 | 25.8 | 39.0 | — | 28.4 | 47.3 | 36.7 | 23.1 | 30.8 | 16.7 |
| LANGUAGE | | | | | | | | | | |
| Third Grade Median | 70 | 55.9 | 59.5 | — | 55.3 | 54.0 | 57.0 | 56.5 | 65.0 | 54.5 |
| Median Percentile | 50 | 18.0 | 26.0 | 18.0 | 14.0 | 12.0 | 20.0 | 20.0 | 38.0 | 14.0 |
| Grade Equivalent | 4.0 | 2.6 | 3.0 | 2.6 | 2.5 | 2.4 | 2.7 | 2.7 | 3.4 | 2.5 |
| 1 Year or More Below Grade Level | 14 | 79.0 | 60.1 | — | 81.1 | 81.7 | 59.2 | 76.9 | 38.5 | 83.3 |
| BEST MATCHED SITE | | | | | St. Louis, MO | | | Ravenswood, CA | | |

Table C14-IIIK(PS)-22

## STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN WITH HEADSTART FOR THE CLA MODEL

| | MAT NORM POPU-LATION | SPONSOR'S SITES | | CHICAGO, IL | | TOPEKA, KS | |
|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT |
| **TOTAL READING** | | | | | | | |
| Third Grade Median | 61 | 54.2 | 59.9 | 52.7 | 52.3 | 55.8 | 67.5 |
| Median Percentile | 50 | 29 | 46 | 24 | 22 | 34 | 70 |
| Grade Equivalent | 3.5 | 2.8 | 3.4 | 2.7 | 2.6 | 3.0 | 4.3 |
| % 1 Year or More Below Grade Level | 20 | 37 | 39 | 43 | 47 | 31 | 31 |
| **TOTAL MATHEMATICS** | | | | | | | |
| Third Grade Median | 70.5 | 62.2 | 60.5 | 61.7 | 58.0 | 62.8 | 63.0 |
| Median Percentile | 50 | 24 | 20 | 23 | 14 | 26 | 26 |
| Grade Equivalent | 3.75 | 3.2 | 3.0 | 3.1 | 2.8 | 3.2 | 3.2 |
| % 1 Year or More Below Grade Level | 12 | 28 | 47 | 30 | 48 | 27 | 46 |
| **SPELLING** | | | | | | | |
| Third Grade Median | 64 | 62.6 | 61.0 | 65.1 | 55.1 | 60.0 | 67.0 |
| Median Percentile | 50 | 46 | 42 | 54 | 23 | 30 | 60 |
| Grade Equivalent | 3.6 | 3.4 | 3.4 | 3.7 | 2.7 | 3.1 | 4.1 |
| % 1 Year or More Below Grade Level | 22 | 26 | 39 | 30 | 47 | 23 | 31 |
| **LANGUAGE** | | | | | | | |
| Third Grade Median | 70 | 55.8 | 59.7 | 55.1 | 54.4 | 56.5 | 65.0 |
| Median Percentile | 50 | 16 | 25 | 14 | 12 | 18 | 38 |
| Grade Equivalent | 4.0 | 2.6 | 2.9 | 2.5 | 2.4 | 2.6 | 3.4 |
| % 1 Year or More Below Grade Level | 14 | 78 | 60 | 80 | 81 | 77 | 38 |

## Table C14-IIIK-23

### MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES USED IN THE ANALYTIC SAMPLE OF THE COHORT III KINDERGARTEN CHILDREN FOR THE CLA MODEL

| | SPONSOR'S SITES | | | CHICAGO, IL | | | TOPEKA, KS | | |
|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | | | | |
| Mean | 31.8 | 32.9 | — | 32.3 | 28.2 | 30.3 | 31.4 | 37.5 | 30.3 |
| Standard Deviation | — | — | — | 12.7 | 11.9 | 9.9 | 12.5 | 12.7 | 13.1 |
| HIGHEST OCCUPATION IN HOUSE | | | | | | | | | |
| Mean | 13.5 | 13.7 | — | 13.3 | 13.6 | 13.4 | 13.7 | 13.8 | 14.1 |
| Standard Deviation | — | — | — | 1.6 | 1.7 | 1.8 | 2.2 | 2.3 | 2.6 |
| FAMILY INCOME IN DOLLARS | | | | | | | | | |
| Mean | 4513 | 5256 | — | 4266 | 4843 | 3590 | 4761 | 5670 | 5280 |
| Standard Deviation | — | — | — | 2400 | 2589 | 2393 | 2691 | 2552 | 2613 |
| MISSING INCOME INFORMATION | | | | | | | | | |
| No. Missing | — | — | — | 16 | 9 | 18 | 3 | 3 | 8 |
| Valid Cases | — | — | — | 79 | 84 | 31 | 23 | 10 | 10 |
| ETHNIC MEMBERSHIP/RACE | | | | | | | | | |
| Percent White | 4 | 15 | — | 0 | 0 | 0 | 8. | 31 | 0 |
| Percent Black | 81 | 77 | — | 100 | 100 | 100 | 62 | 54 | 83 |
| SEX Percent Female | 57 | 64 | — | 56 | 59 | 55 | 58 | 69 | 56 |
| ENTRY AGE IN MONTHS | | | | | | | | | |
| Mean | 65.4 | 65.3 | — | 63.8 | 63.3 | 67.0 | 66.9 | 67.2 | 64.7 |
| Standard Deviation | — | — | — | 3.5 | 3.7 | 3.9 | 3.8 | 3.5 | 4.1 |
| FIRST LANGUAGE | | | | | | | | | |
| Percent English | 94 | 100 | — | 100 | 100 | 100 | 88 | 100 | 88 |
| BEST MATCHED SITE | | | | St. Louis, MO | | | Ravenswood, CA | | |

Table C14-IIIK-24

## MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES FOR THE COHORT III KINDERGARTEN CHILDREN IN THE CLA MODEL

| | | ALL SITES | | SPONSOR'S SITES | | | CHICAGO, IL | | | TOPEKA, KS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | Mean | 41.25 | 46.14 | 39.10 | 44.65 | — | 37.24 | 34.76 | 34.71 | 40.96 | 54.54 | 40.67 |
| | Standard Deviation | | | — | — | — | 14.91 | 14.44 | 13.96 | 14.22 | 23.84 | 14.11 |
| TOTAL MATHEMATICS | Mean | 47.77 | 50.84 | 48.02 | 46.60 | — | 46.55 | 40.35 | 43.45 | 49.50 | 52.85 | 47.28 |
| | Standard Deviation | | | — | — | — | 14.56 | 16.62 | 16.05 | 17.03 | 26.52 | 18.41 |
| LANGUAGE | Mean | 16.60 | 18.44 | 13.94 | 17.60 | — | 13.07 | 13.35 | 16.24 | 14.81 | 21.85 | 13.39 |
| | Standard Deviation | | | — | — | — | 6.04 | 6.39 | 7.84 | 4.41 | 12.27 | 6.51 |
| SPELLING | Mean | 17.64 | 20.63 | 20.43 | 17.41 | — | 21.36 | 14.58 | 16.10 | 19.50 | 20.23 | 21.67 |
| | Standard Deviation | | | — | — | — | 11.54 | 13.28 | 11.97 | 11.51 | 14.65 | 11.18 |
| RAVEN'S PROGRESSIVE MAT. | Mean | 18.15 | 18.95 | 18.14 | 18.77 | — | 17.23 | 16.00 | 15.41 | 19.04 | 21.54 | 16.89 |
| | Standard Deviation | | | — | — | — | 4.24 | 4.43 | 4.06 | 4.64 | 3.62 | 4.31 |
| COOPERSMITH'S SELF-EST. | Mean | 35.64 | 36.59 | 35.02 | 36.52 | — | 35.58 | 35.27 | 36.37 | 34.46 | 37.77 | 33.94 |
| | Standard Deviation | | | — | — | — | 7.28 | 6.63 | 6.28 | 7.25 | 4.92 | 7.89 |
| IARS-LOCUS NEGATIVE | Mean | 9.91 | 10.11 | 9.51 | 9.75 | — | 10.01 | 9.34 | 9.73 | 9.00 | 10.15 | 9.00 |
| | Standard Deviation | | | — | — | — | 2.70 | 2.45 | 2.74 | 2.30 | 3.02 | 3.46 |
| IARS-LOCUS POSITIVE | Mean | 12.83 | 13.07 | 12.39 | 12.76 | — | 12.27 | 12.06 | 12.14 | 12.50 | 13.46 | 13.11 |
| | Standard Deviation | | | — | — | — | 2.28 | 2.66 | 2.37 | 2.57 | 2.96 | 1.57 |
| WORD KNOWLEDGE | Mean | 23.30 | 26.29 | 22.32 | 24.47 | — | 21.57 | 19.33 | 19.65 | 23.08 | 29.62 | 24.72 |
| | Standard Deviation | | | — | — | — | 9.71 | 9.59 | 8.69 | 9.09 | 14.04 | 9.50 |
| READING | Mean | 17.95 | 19.85 | 16.78 | 20.18 | — | 15.67 | 15.43 | 15.06 | 17.88 | 24.92 | 15.94 |
| | Standard Deviation | | | — | — | — | 6.28 | 5.82 | 6.18 | 6.12 | 10.28 | 6.38 |
| MATH COMPUTATIONS | Mean | 18.16 | 18.55 | 19.87 | 17.25 | — | 18.13 | 14.97 | 16.18 | 21.62 | 19.54 | 17.06 |
| | Standard Deviation | | | — | — | — | 6.30 | 6.75 | 6.77 | 6.26 | 8.92 | 7.03 |
| MATH CONCEPTS | Mean | 16.41 | 18.04 | 15.48 | 15.89 | — | 15.92 | 14.01 | 15.55 | 15.04 | 17.77 | 16.56 |
| | Standard Deviation | | | — | — | — | 5.35 | 6.45 | 6.16 | 6.92 | 9.24 | 6.72 |
| MATH PROBLEM SOLVING | Mean | 13.20 | 14.25 | 12.68 | 13.46 | — | 12.51 | 11.38 | 11.71 | 12.85 | 15.54 | 13.67 |
| | Standard Deviation | | | — | — | — | 5.33 | 5.29 | 5.49 | 5.87 | 8.97 | 5.71 |
| LANGUAGE PART A | Mean | 7.59 | 8.13 | 6.54 | 6.85 | — | 6.85 | 5.85 | 7.22 | 6.23 | 7.85 | 7.06 |
| | Standard Deviation | | | — | — | — | 3.09 | 3.08 | 3.41 | 2.80 | 4.60 | 3.44 |
| LANGUAGE PART B | Mean | 9.01 | 10.31 | 7.40 | 10.75 | — | 6.22 | 7.51 | 9.02 | 8.58 | 14.00 | 6.33 |
| | Standard Deviation | | | — | — | — | 4.16 | 4.52 | 5.78 | 3.09 | 8.43 | 4.12 |
| BEST MATCH SITE | | | | | | | St. Louis, MO | | | Ravenswood, CA | | |

Table C14-IIIK-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K LOCAL ANALYSES FOR THE CLA MODEL

### CODE

| | |
|---|---|
| FKW | = Fall Kindergarten WRAT |
| NOFKW | = Missing WRAT |
| ETH2 | = White vs. Other |
| INCOME | = Income |
| SEX | = Sex |
| ETH1 | = White vs. Black |
| OCCUP | = Occupation |
| NOINC | = Missing Income |
| ENTAGE | = Entry Age |
| LANG | = First Language |
| NOOCCUP | = Missing Occupation |

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .65006621 | .81637313E-01 |
| NOFKW | -7.5569815 | 14.311760 |
| ETH2 | -7.8381706 | 4.2790628 |
| INCOME | .26669089E-03 | .37929174E-03 |
| SEX | 1.1211928 | 1.9175694 |
| ETH1 | 1.6191722 | 3.3328909 |
| OCCUP | .61884663 | .54166110 |
| NOINC | -2.0090127 | 3.6197549 |
| ENTAGE | -.31410701 | .27880780 |
| LANG | 9.2866198 | 9.9528398 |
| NOOCCUP | .51665639 | 3.1381629 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .71510007 | .86254882E-01 |
| NOFKW | .34771654 | 15.121261 |
| ETH2 | -5.4289583 | 4.5210951 |
| INCOME | .23735515E-04 | .40074524E-03 |
| SEX | .69906738 | 2.0260309 |
| ETH1 | 1.7099296 | 3.5214059 |
| OCCUP | .45445210 | .57229853 |
| NOINC | 1.2733211 | 3.8244955 |
| ENTAGE | .21111225 | .29457772 |
| LANG | 16.303777 | 10.515792 |
| NOOCCUP | -.16042827 | 3.3156637 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .49268040 | .68171921E-01 |
| NOFKW | -3.8295213 | 11.951155 |
| ETH2 | -4.4898402 | 3.5732672 |
| INCOME | .27757105E-03 | .31673074E-03 |
| SEX | .67318644 | 1.6012824 |
| ETH1 | -.67237993 | 2.7831585 |
| OCCUP | .27901846 | .45231864 |
| NOINC | -.88477696E-01 | 3.0227066 |
| ENTAGE | -.12642735 | .23282079 |
| LANG | 13.789996 | 8.3112022 |
| NOOCCUP | 1.7309223 | 2.6205492 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .23670708 | .36731582E-01 |
| NOFKW | -2.9830233 | 6.4393787 |
| ETH2 | -2.1127463 | 1.9253052 |
| INCOME | .61300608E-04 | .17065708E-03 |
| SEX | .46152847 | .86278388 |
| ETH1 | -.47121372 | 1.4995883 |
| OCCUP | .18070198 | .24371294 |
| NOINC | -1.1936895 | 1.6286588 |
| ENTAGE | -.17010393 | .12544572 |
| LANG | 5.0031212 | 4.4781429 |
| NOOCCUP | -.52017202 | 1.4119731 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .15420464 | .24251191E-01 |
| NOFKW | 1.6797880 | 4.2514533 |
| ETH2 | -3.4766152 | 1.2711390 |
| INCOME | -.41032819E-04 | .11267246E-03 |
| SEX | -1.2788837 | .56963342 |
| ETH1 | .96276391 | .99006903 |
| OCCUP | .16207818 | .16090592 |
| NOINC | -1.0770545 | 1.0752849 |
| ENTAGE | -.13311801 | .82822683E-01 |
| LANG | 6.7816334 | 2.9565919 |
| NOOCCUP | .39494885 | .93222310 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .14824039 | .41203646E-01 |
| NOFKW | 6.4881727 | 7.2233720 |
| ETH2 | 1.1730620 | 2.1597108 |
| INCOME | .13993919E-03 | .19143455E-03 |
| SEX | 1.8945137 | .96782767 |
| ETH1 | -1.3658703 | 1.6821629 |
| OCCUP | .67649827E-02 | .27338495 |
| NOINC | -.57406604 | 1.8269477 |
| ENTAGE | .79249217E-01 | .14071872 |
| LANG | 1.9728263 | 5.0233560 |
| NOOCCUP | -.67268127 | 1.5838806 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .61396420E-01 | .14576250E-01 |
| NOFKW | 1.2540227 | 2.5553485 |
| ETH2 | -2.1424477 | .76402182 |
| INCOME | .46404602E-04 | .67722111E-04 |
| SEX | .59532274 | .34237984 |
| ETH1 | .21708912 | .59508390 |
| OCCUP | .26952514E-01 | .96712977E-01 |
| NOINC | -.79924212 | .64630314 |
| ENTAGE | .60751845E-01 | .49780817E-01 |
| LANG | 2.0772792 | 1.7770683 |
| NOOCCUP | .98080498 | .56031544 |

## Table C14-IIIK-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .27635317E-01 | .15982556E-01 |
| NOFKW | 1.2171794 | 2.8018867 |
| ETH2 | -.38548903 | .83773409 |
| INCOME | -.65131943E-04 | .74255891E-04 |
| SEX | .13949580 | .37541240 |
| ETH1 | .97081304 | .65249717 |
| OCCUP | .15281067E-01 | .10604377 |
| NOINC | .60686790 | .70865800 |
| ENTAGE | .30320234E-01 | .54583634E-01 |
| LANG | -.79856742 | 1.9485185 |
| NOOCCUP | .21698349 | .61437426 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .39521623 | .53785641E-01 |
| NOFKW | -6.0541272 | 9.4291096 |
| ETH2 | -5.5746915 | 2.8192027 |
| INCOME | .19958836E-03 | .24989124E-03 |
| SEX | .35211848 | 1.2633647 |
| ETH1 | 1.0978441 | 2.1958302 |
| OCCUP | .39254909 | .35686610 |
| NOINC | -.98517568 | 2.3848266 |
| ENTAGE | -.23694815 | .18368875 |
| LANG | 11.347169 | 6.5572941 |
| NOOCCUP | .60593624 | 2.0675363 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .25484998 | .34831503E-01 |
| NOFKW | -1.5028543 | 6.1062776 |
| ETH2 | -2.2634791 | 1.8257116 |
| INCOME | .67102530E-04 | .16182920E-03 |
| SEX | .76907432 | .81815314 |
| ETH1 | .52132815 | 1.4220164 |
| OCCUP | .22629754 | .23110597 |
| NOINC | -1.0238371 | 1.5444103 |
| ENTAGE | -.77158854E-01 | .11895657 |
| LANG | -2.0605496 | 4.2464941 |
| NOOCCUP | -.89279854E-01 | 1.3389335 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .25786504 | .33568149E-01 |
| NOFKW | -.64739230 | 5.8848003 |
| ETH2 | -2.0989940 | 1.7594922 |
| INCOME | .50968841E-05 | .15595959E-03 |
| SEX | -.19606905 | .78847837 |
| ETH1 | -.90702856E-01 | 1.3704393 |
| OCCUP | .18098065 | .22272366 |
| NOINC | .49968516 | 1.4883938 |
| ENTAGE | .83874081E-01 | .11464196 |
| LANG | 3.7393663 | 4.0924719 |
| NOOCCUP | .56388786 | 1.2903698 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .25910512 | .36231816E-01 |
| NOFKW | -5.1966328 | 6.3517653 |
| ETH2 | -1.7004090 | 1.8991098 |
| INCOME | -.31779643E-04 | .16833514E-03 |
| SEX | -.32686533E-01 | .85104495 |
| ETH1 | .99059059E-01 | 1.4791851 |
| OCCUP | .21620337E-01 | .24039701 |
| NOINC | .27496198 | 1.6064994 |
| ENTAGE | .79846318E-01 | .12373892 |
| LANG | 7.3672722 | 4.4172138 |
| NOOCCUP | -.17122196 | 1.3927620 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .19812992 | .31023429E-01 |
| NOFKW | 6.1917417 | 5.4386879 |
| ETH2 | -1.6295554 | 1.6261094 |
| INCOME | .50418274E-04 | .14413667E-03 |
| SEX | .92782296 | .72870574 |
| ETH1 | 1.7015734 | 1.2665496 |
| OCCUP | .25185111 | .20583951 |
| NOINC | .49867400 | 1.3755623 |
| ENTAGE | .47391851E-01 | .10595123 |
| LANG | 5.2871983 | 3.7822315 |
| NOOCCUP | -.55309416 | 1.1925500 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .10726472 | .17869548E-01 |
| NOFKW | .35911065 | 3.1326935 |
| ETH2 | -.52055690 | .93664180 |
| INCOME | -.13699780E-04 | .83022969E-04 |
| SEX | .32584024 | .41973575 |
| ETH1 | -.57843424 | .72953474 |
| OCCUP | .20218183E-01 | .11856391 |
| NOINC | .28722671 | .79232624 |
| ENTAGE | -.16199833 | .61028092E-01 |
| LANG | 2.9133480 | 2.1785718 |
| NOOCCUP | -1.1003568 | .68691083 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .12944236 | .26790279E-01 |
| NOFKW | -3.3421339 | 4.6965783 |
| ETH2 | -1.5921894 | 1.4042266 |
| INCOME | .75000388E-04 | .12446920E-03 |
| SEX | .13568823 | .62927375 |
| ETH1 | .10722052 | 1.0937288 |
| OCCUP | .16048380 | .17775269 |
| NOINC | -1.4809182 | 1.1878667 |
| ENTAGE | -.81056036E-02 | .91494176E-01 |
| LANG | 2.0897732 | 3.2661456 |
| NOOCCUP | .58018478 | 1.0298264 |

Table C14-IIIK(PS)-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K PRESCHOOL ADJUSTED LOCAL ANALYSES FOR THE CLA MODEL

### CODE

SEX = Sex
ENTAGE = Entry Age
INCOME = Income
NOINC = Missing Income
OCCUP. = Occupation
NOOCCUP = Missing Occupation
ETH2 = White vs. Other
ETH1 = White vs. Black
LANG = First Language
PSSOME = Some Preschool
PSHS = Head Start
FKW = Fall Kindergarten WRAT
FKWSOME = FKW x Some Preschool
FKWHS = FKW x Head Start

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .79313034 | 1.9726110 |
| ENTAGE | -.40549671 | .28408399 |
| INCOME | .30453521E-03 | .39040478E-03 |
| NOINC | -2.0572298 | 3.8172523 |
| OCCUP | .56816456 | .54926690 |
| NOOCCUP | .21624532 | 3.2295491 |
| ETH2 | -7.8510085 | 4.2738536 |
| ETH1 | 1.1548560 | 3.3352273 |
| LANG | 8.6678973 | 9.9511105 |
| PSSOME | 6.1377546 | 7.5414569 |
| PSHS | -2.4465638 | 5.8722300 |
| FKW | .75073615 | .14711563 |
| FKWSOME | -.26814187 | .24116002 |
| FKWHS | -.83189929E-02 | .18287482 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .29614374 | 2.0948095 |
| ENTAGE | .16606034 | .30168231 |
| INCOME | -.18977266E-04 | .41458943E-03 |
| NOINC | 1.7105589 | 4.0537220 |
| OCCUP | .40484949 | .58329268 |
| NOOCCUP | -.98588079 | 3.4296120 |
| ETH2 | -5.4392395 | 4.5386089 |
| ETH1 | 1.2861339 | 3.5418367 |
| LANG | 15.697938 | 10.567558 |
| PSSOME | -1.6003802 | 8.0086322 |
| PSHS | -3.6279721 | 6.2360007 |
| FKW | .74979142 | .15622909 |
| FKWSOME | -.15727073E-01 | .25609931 |
| FKWHS | .24559533E-01 | .19420348 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .33210036 | 1.6386088 |
| ENTAGE | -.14908257 | .23598294 |
| INCOME | .26742786E-03 | .32430152E-03 |
| NOINC | 1.0549746 | 3.1709158 |
| OCCUP | .25334644 | .45626513 |
| NOOCCUP | .78188678 | 2.6827224 |
| ETH2 | -4.0516199 | 3.5502057 |
| ETH1 | -1.1038781 | 2.7705073 |
| LANG | 13.175058 | 8.2661903 |
| PSSOME | 9.2702788 | 6.2645388 |
| PSHS | 2.8985729 | 4.8779451 |
| FKW | .66685060 | .12220604 |
| FKWSOME | -.41773742 | .20032685 |
| FKWHS | -.16457711 | .15191049 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.30192660E-01 | .87737588 |
| ENTAGE | -.17497548 | .12635458 |
| INCOME | .35350607E-04 | .17364384E-03 |
| NOINC | -.68812093 | 1.6978336 |
| OCCUP | .14561132 | .54430237 |
| NOOCCUP | -.71331440 | 1.4364355 |
| ETH2 | -2.0712041 | 1.9009203 |
| ETH1 | -.85357931 | 1.4834390 |
| LANG | 4.4296311 | 4.4260447 |
| PSSOME | 3.5930954 | 3.3542815 |
| PSHS | -1.0614667 | 2.6118444 |
| FKW | .33410679 | .65433939E-01 |
| FKWSOME | -.17128721 | .10726290 |
| FKWHS | -.70401915E-01 | .81338876E-01 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.3948538 | .57362903 |
| ENTAGE | -.13233608 | .82610725E-01 |
| INCOME | -.77771859E-04 | .11352848E-03 |
| NOINC | -.58589902 | 1.1100449 |
| OCCUP | .14099469 | .15972508 |
| NOOCCUP | .19377379 | .93914246 |
| ETH2 | -3.4885141 | 1.2428232 |
| ETH1 | .74243575 | .96987357 |
| LANG | 6.3415216 | 2.8937515 |
| PSSOME | -2.6736349 | 2.1930318 |
| PSHS | -2.4807797 | 1.7076259 |
| FKW | .14685380 | .42780760E-01 |
| FKWSOME | .68049138E-01 | .70128570E-01 |
| FKWHS | .21170433E-01 | .53179421E-01 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 1.9658704 | .98691235 |
| ENTAGE | .62658510E-01 | .14212939 |
| INCOME | .15922799E-03 | .19532250E-03 |
| NOINC | -.34226528 | 1.9098005 |
| OCCUP | -.31713180E-01 | .27480243 |
| NOOCCUP | -.72851164 | 1.6157681 |
| ETH2 | 1.2579960 | 2.1382417 |
| ETH1 | -1.6613053 | 1.6686397 |
| LANG | 1.9354963 | 4.9786167 |
| PSSOME | .62406238 | 3.7730486 |
| PSHS | .88104808 | 2.9379216 |
| FKW | .21637252 | .73603075E-01 |
| FKWSOME | -.11020330 | .12065420 |
| FKWHS | -.79119946E-01 | .91493673E-01 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .60226808 | .35347441 |
| ENTAGE | .53659124E-01 | .50905333E-01 |
| INCOME | .47647421E-04 | .69957078E-04 |
| NOINC | -.73699771 | .68401779 |
| OCCUP | .22237203E-01 | .98423763E-01 |
| NOOCCUP | 1.0590319 | .57870658 |
| ETH2 | -2.1130265 | .76583674 |
| ETH1 | .18096013 | .59764319 |
| LANG | 2.0370593 | 1.7831508 |
| PSSOME | .70922189 | 1.3513623 |
| PSHS | .29032129E-01 | 1.0522516 |
| FKW | .70107666E-01 | .26361817E-01 |
| FKWSOME | -.35864709E-01 | .43213738E-01 |
| FKWHS | -.48482166E-02 | .32769548E-01 |

## Table C14-IIIK(PS)-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .11127830 | .38409535 |
| ENTAGE | .22090212E-01 | .55315256E-01 |
| INCOME | -.56256424E-04 | .76017452E-04 |
| NOINC | .85810541 | .74327417 |
| OCCUP | .12725031E-01 | .10695020 |
| NOOCCUP | .88159478E-01 | .62883986 |
| ETH2 | -.28039060 | .83218108 |
| ETH1 | .90786212 | .64941695 |
| LANG | -.95199239 | 1.9376250 |
| PSSOME | 2.0795303 | 1.4684306 |
| PSHS | .29716494 | 1.1434080 |
| FKW | .50640450E-01 | .28645539E-01 |
| FKWSOME | -.90683682E-01 | .46957339E-01 |
| FKWHS | -.14408600E-01 | .35608370E-01 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.48757423E-01 | 1.2987136 |
| ENTAGE | -.28495314 | .18703320 |
| INCOME | .20384074E-03 | .25703193E-03 |
| NOINC | -.65074382 | 2.5131755 |
| OCCUP | .34979742 | .36162245 |
| NOOCCUP | .30297957 | 2.1262476 |
| ETH2 | -5.5380937 | 2.8137896 |
| ETH1 | .68452478 | 2.1958233 |
| LANG | 10.775160 | 6.5515416 |
| PSSOME | 4.0863881 | 4.9650909 |
| PSHS | -1.7951557 | 3.8661172 |
| FKW | .48330872 | .96856945E-01 |
| FKWSOME | -.19451643 | .15877322 |
| FKWHS | -.33772251E-01 | .12039983 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .84188777 | .83877699 |
| ENTAGE | -.12054357 | .12079580 |
| INCOME | .10069447E-03 | .16600463E-03 |
| NOINC | -1.4064860 | 1.6231398 |
| OCCUP | .21836713 | .23355464 |
| NOOCCUP | -.86734250E-01 | 1.3732416 |
| ETH2 | -2.3129948 | 1.8172920 |
| ETH1 | .47033123 | 1.4181772 |
| LANG | -2.1072625 | 4.2313272 |
| PSSOME | 2.0513665 | 3.2067147 |
| PSHS | -.65140812 | 2.4969401 |
| FKW | .26742743 | .62555267E-01 |
| FKWSOME | -.73625441E-01 | .10254403 |
| FKWHS | .25453258E-01 | .77760489E-01 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.42832530 | .81809082 |
| ENTAGE | .81076393E-01 | .11781649 |
| INCOME | -.19451148E-04 | .16191057E-03 |
| NOINC | .95024596 | 1.5831094 |
| OCCUP | .16711077 | .22779464 |
| NOOCCUP | .42926151 | 1.3393743 |
| ETH2 | -2.0502319 | 1.7724734 |
| ETH1 | -.24462651 | 1.3832017 |
| LANG | 3.3393590 | 4.1209730 |
| PSSOME | .54458115E-01 | 3.1276297 |
| PSHS | -1.3112164 | 2.4353598 |
| FKW | .27782858 | .61012510E-01 |
| FKWSOME | -.12644545E-01 | .10001506 |
| FKWHS | -.79696555E-03 | .75842737E-01 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.14708814 | .87264050 |
| ENTAGE | .57440305E-01 | .12567282 |
| INCOME | -.34638474E-04 | .17270665E-03 |
| NOINC | .34022780 | 1.6886700 |
| OCCUP | -.78303005E-02 | .24298382 |
| NOOCCUP | -.48663396 | 1.4286828 |
| ETH2 | -1.6916560 | 1.8906607 |
| ETH1 | -.58739752E-01 | 1.4754326 |
| LANG | 7.3788575 | 4.4021565 |
| PSSOME | -1.5114892 | 3.3361777 |
| PSHS | -.29742163 | 2.5977478 |
| FKW | .27970659 | .65080779E-01 |
| FKWSOME | .86730001E-02 | .10668398 |
| FKWHS | -.17383526E-01 | .80899874E-01 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .87155718 | .75134171 |
| ENTAGE | .27543645E-01 | .10820387 |
| INCOME | .35112357E-04 | .14870008E-03 |
| NOINC | .42008515 | 1.4539415 |
| OCCUP | .24556903 | .20920858 |
| NOOCCUP | -.92850844 | 1.2300930 |
| ETH2 | -1.6973515 | 1.6278550 |
| ETH1 | 1.5895002 | 1.2703445 |
| LANG | 4.9797213 | 3.7902478 |
| PSSOME | .25665089 | 2.8724423 |
| PSHS | -2.0193340 | 2.2366556 |
| FKW | .19225625 | .56034419E-01 |
| FKWSOME | -.11756328E-01 | .91854695E-01 |
| FKWHS | .42740024E-01 | .69654628E-01 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .83854844E-01 | .42537371 |
| ENTAGE | -.15881637 | .61259853E-01 |
| INCOME | -.45334025E-04 | .84186864E-04 |
| NOINC | .79871759 | .82315205 |
| OCCUP | .14973403E-01 | .11844388 |
| NOOCCUP | -1.3069033 | .69641977 |
| ETH2 | -.43681560 | .92161358 |
| ETH1 | -.71474445 | .71920822 |
| LANG | 2.5672462 | 2.1458569 |
| PSSOME | 2.0492254 | 1.6262393 |
| PSHS | -.33378303 | 1.2662873 |
| FKW | .14353462 | .31724065E-01 |
| FKWSOME | -.70192266E-01 | .52003731E-01 |
| FKWHS | -.29843743E-01 | .39435116E-01 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.11404750 | .64017006 |
| ENTAGE | -.16159110E-01 | .92193578E-01 |
| INCOME | .80684831E-04 | .12669779E-03 |
| NOINC | -1.4868385 | 1.2388102 |
| OCCUP | .13063792 | .17825321 |
| NOOCCUP | .59358892 | 1.0480833 |
| ETH2 | -1.6343885 | 1.3869908 |
| ETH1 | -.13883487 | 1.0823790 |
| LANG | 1.8623848 | 3.2294270 |
| PSSOME | 1.5438700 | 2.4474238 |
| PSHS | -.72770364 | 1.9057107 |
| FKW | .19057218 | .47743333E-01 |
| FKWSOME | -.10109494 | .78263492E-01 |
| FKWHS | -.40558172E-01 | .59348239E-01 |

## Table C14-IIIK(PS)-26

## TREATMENT REGRESSION COEFFICIENTS AND STANDARD ERRORS BY OUTCOME FOR HEAD START STUDIES OF COHORT III-K SITES IN THE CLA MODEL

| | Chicago, IL | | Topeka, KS | |
|---|---|---|---|---|
| | Pooled | Local | Pooled | Local |
| **Word Knowledge** | | | | |
| b | 1.33 | 1.75 | $-4.49^{**}$ | -3.35 |
| Standard Error | .93 | 1.50 | .30 | 3.40 |
| **Spelling** | | | | |
| b | $3.89^{**}$ | $5.30^{**}$ | 1.36 | 3.77 |
| Standard Error | 1.19 | 1.88 | 1.94 | 4.29 |
| **Language** | | | | |
| b | - .23 | - .24 | $-6.88^{**}$ | $-4.81^{*}$ |
| Standard Error | .63 | 1.01 | .97 | 2.30 |
| **Math Computations** | | | | |
| b | $1.45^{*}$ | $2.23^{*}$ | 1.28 | 4.23 |
| Standard Error | .64 | 1.01 | 1.09 | 2.29 |
| **Raven's** | | | | |
| b | $.91^{*}$ | 1.27 | -1.62 | -1.64 |
| Standard Error | .41 | .66 | .84 | 1.50 |
| **Reading** | | | | |
| b | - .26 | - .38 | $-7.86^{**}$ | $-6.36^{**}$ |
| Standard Error | .61 | .97 | .85 | 2.20 |
| **Math Concepts** | | | | |
| b | - .03 | 1.15 | -1.97 | - .95 |
| Standard Error | .58 | .95 | 1.24 | 2.14 |
| **Math Problem Solving** | | | | |
| b | .05 | .79 | $-2.85^{**}$ | - .63 |
| Standard Error | .58 | .87 | 1.03 | 1.97 |
| **Coopersmith** | | | | |
| b | - .00 | .01 | -1.47 | -1.13 |
| Standard Error | .71 | 1.14 | 1.36 | 2.59 |
| **IARS(-)** | | | | |
| b | .52 | .40 | $-1.25^{**}$ | - .65 |
| Standard Error | .28 | .44 | .45 | 1.01 |
| **IARS(+)** | | | | |
| b | - .14 | - .15 | $1.21^{*}$ | - .89 |
| Standard Error | .23 | .41 | .47 | .93 |
| **Total Reading** | | | | |
| b | 1.07 | 1.37 | -12,34 | -9,71 |
| Standard Error | 1.41 | 2.28 | 1,76 | 5.17 |
| **Total Math** | | | | |
| b | 1.47 | 4,16 | -3.54 | 2,64 |
| Standard Error | 1.52 | 2,42 | 2,87 | 5,49 |
| **Language Part A** | | | | |
| b | $.75^{*}$ | $1,00^{*}$ | $-1.02^{*}$ | - .59 |
| Standard Error | .31 | ,49 | .51 | 1,11 |
| **Language Part B** | | | | |
| b | $-.90^{*}$ | -1.24 | $-5.86^{**}$ | $-4.22^{*}$ |
| Standard Error | .45 | ,74 | .82 | 1.68 |

* p < .05

** p < .01

Table C14-IIIK(PS)-27

## BACKGROUND VARIABLES
## FOR FT AND NFT CHILDREN
## IN COHORT III-K PRESCHOOL SAMPLE
## FOR CLA MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 86 | 12 | 19 | 117 | 32 | 23 | 47 | 102 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 34.10 | 30.92 | 23.58 | 32.07 | 33.47 | 30.17 | 26.89 | 29.70 |
| STANDARD DEVIATION | 11.72 | 15.19 | 11.56 | 12.58 | 11.98 | 11.11 | 12.38 | 12.21 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.44 | 13.00 | 13.80 | 13.43 | 13.63 | 13.42 | 13.77 | 13.65 |
| STANDARD DEVIATION | 1.87 | 1.35 | 1.62 | 1.78 | 1.94 | 1.26 | 1.94 | 1.80 |
| NUMBER | 72 | 12 | 10 | 94 | 27 | 19 | 40 | 86 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4267.10 | 3716.67 | 5193.20 | 4339.96 | 5076.85 | 4486.91 | 5058.98 | 4922.49 |
| STANDARD DEVIATION | 2319.72 | 2393.87 | 2820.72 | 2415.93 | 2500.93 | 2760.72 | 2599.45 | 2596.82 |
| MEDIAN | 3840.00 | 2600.00 | 5200.00 | 3866.67 | 4950.25 | 3274.62 | 4680.00 | 4662.69 |
| NUMBER | 73 | 12 | 15 | 100 | 26 | 23 | 44 | 93 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 2.74 | 0.00 | 13.33 | 4.00 | 7.69 | 4.35 | 11.36 | 8.60 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 2.33 | 0.00 | 0.00 | 1.71 | 3.13 | 0.00 | 6.38 | 3.92 |
| PERCENT BLACK | 88.37 | 100.00 | 100.00 | 91.45 | 93.75 | 100.00 | 91.49 | 94.12 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 50.00 | 66.67 | 68.42 | 54.70 | 56.25 | 56.52 | 65.96 | 60.78 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 64.73 | 63.70 | 64.10 | 64.52 | 65.48 | 64.00 | 62.78 | 63.90 |
| STANDARD DEVIATION | 3.79 | 3.53 | 3.73 | 3.74 | 4.43 | 3.80 | 3.10 | 3.86 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 96.51 | 100.00 | 100.00 | 97.44 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.83 | 10.05 | 10.73 | 11.45 | 11.10 | 10.67 | 11.36 | 11.13 |
| STANDARD DEVIATION | 2.15 | 2.96 | 2.14 | 2.33 | 2.81 | 1.53 | 2.04 | 2.17 |
| NUMBER | 72 | 12 | 15 | 99 | 24 | 21 | 44 | 89 |
| PERCENT HS GRAD | 45.83 | 16.67 | 26.67 | 39.39 | 41.67 | 14.29 | 34.09 | 31.46 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 53.25 | 91.67 | 43.75 | 56.19 | 46.43 | 69.57 | 64.44 | 60.42 |
| NUMBER | 77 | 12 | 16 | 105 | 28 | 23 | 45 | 96 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 73.50 | 100.00 | 0.00 | 0.00 | 31.37 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 10.26 | 0.00 | 100.00 | 0.00 | 22.55 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 16.24 | 0.00 | 0.00 | 100.00 | 46.08 |

Table C14-IIIK(PS)-28

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR CLA MODEL IN CHICAGO, IL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 62 | 11 | 18 | 91 | 24 | 23 | 42 | 89 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 35.06 | 30.73 | 23.61 | 32.27 | 32.46 | 30.17 | 25.43 | 28.55 |
| STANDARD DEVIATION | 11.17 | 15.91 | 11.90 | 12.65 | 11.21 | 11.11 | 11.86 | 11.76 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.35 | 12.82 | 13.78 | 13.32 | 13.50 | 13.42 | 13.83 | 13.64 |
| STANDARD DEVIATION | 1.63 | 1.25 | 1.72 | 1.59 | 1.73 | 1.26 | 1.95 | 1.72 |
| NUMBER | 48 | 11 | 9 | 68 | 20 | 19 | 35 | 74 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4138.44 | 3763.64 | 4849.93 | 4214.26 | 4734.90 | 4486.91 | 5079.90 | 4832.45 |
| STANDARD DEVIATION | 2238.83 | 2504.90 | 2581.66 | 2331.74 | 2641.81 | 2760.72 | 2531.26 | 2602.88 |
| MEDIAN | 3750.00 | 2500.00 | 5100.00 | 3800.00 | 4499.50 | 3274.62 | 4700.00 | 4466.33 |
| NUMBER | 52 | 11 | 14 | 77 | 20 | 23 | 40 | 83 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 1.92 | 0.00 | 7.14 | 2.60 | 10.00 | 4.35 | 10.00 | 8.43 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT BLACK | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 46.77 | 63.64 | 72.22 | 53.85 | 50.00 | 56.52 | 66.67 | 59.55 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.82 | 63.96 | 63.91 | 63.85 | 64.68 | 64.00 | 62.38 | 63.42 |
| STANDARD DEVIATION | 3.42 | 3.58 | 3.75 | 3.46 | 4.39 | 3.80 | 2.92 | 3.69 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.83 | 9.96 | 10.57 | 11.32 | 10.81 | 10.67 | 11.47 | 11.10 |
| STANDARD DEVIATION | 2.25 | 3.10 | 2.13 | 2.45 | 3.07 | 1.53 | 1.99 | 2.20 |
| NUMBER | 49 | 11 | 14 | 74 | 19 | 21 | 39 | 79 |
| PERCENT HS GRAD | 48.98 | 18.18 | 21.43 | 39.19 | 36.84 | 14.29 | 33.33 | 29.11 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 60.38 | 90.91 | 46.67 | 62.03 | 57.14 | 69.57 | 65.00 | 64.29 |
| NUMBER | 53 | 11 | 15 | 79 | 21 | 23 | 40 | 84 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 68.13 | 100.00 | 0.00 | 0.00 | 26.97 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 12.09 | 0.00 | 100.00 | 0.00 | 25.84 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 19.78 | 0.00 | 0.00 | 100.00 | 47.19 |

## Table C14-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR CLA MODEL IN TOPEKA, KS

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 24 | 1 | 1 | 26 | 8 | 0 | 5 | 13 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 31.62 | 33.00 | 23.00 | 31.35 | 36.50 | 0.00 | 39.20 | 37.54 |
| STANDARD DEVIATION | 12.94 | 0.00 | 0.00 | 12.53 | 14.42 | 0.00 | 10.50 | 12.65 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.62 | 15.00 | 14.00 | 13.69 | 14.00 | 0.00 | 13.40 | 13.75 |
| STANDARD DEVIATION | 2.30 | 0.00 | 0.00 | 2.22 | 2.58 | 0.00 | 2.07 | 2.30 |
| NUMBER | 24 | 1 | 1 | 26 | 7 | 0 | 5 | 12 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4585.67 | 3200.00 | 9999.00 | 4760.78 | 6216.67 | 0.00 | 4849.75 | 5669.90 |
| STANDARD DEVIATION | 2537.86 | 0.00 | 0.00 | 2691.18 | 1650.96 | 0.00 | 3673.31 | 2551.52 |
| MEDIAN | 4400.00 | 3200.00 | 9999.00 | 4400.00 | 5150.00 | 0.00 | 3950.00 | 5000.00 |
| NUMBER | 21 | 1 | 1 | 23 | 6 | 0 | 4 | 10 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 4.76 | 0.00 | 100.00 | 8.70 | 0.00 | 0.00 | 25.00 | 10.00 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 8.33 | 0.00 | 0.00 | 7.69 | 12.50 | 0.00 | 60.00 | 30.77 |
| PERCENT BLACK | 58.33 | 100.00 | 100.00 | 61.54 | 75.00 | 0.00 | 20.00 | 53.85 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 58.33 | 100.00 | 0.00 | 57.69 | 75.00 | 0.00 | 60.00 | 69.23 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 67.09 | 60.88 | 67.45 | 66.86 | 67.89 | 0.00 | 66.11 | 67.20 |
| STANDARD DEVIATION | 3.76 | 0.00 | 0.00 | 3.81 | 3.84 | 0.00 | 2.71 | 3.45 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 87.50 | 100.00 | 100.00 | 88.46 | 100.00 | 0.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.84 | 10.95 | 13.00 | 11.85 | 12.18 | 0.00 | 10.57 | 11.37 |
| STANDARD DEVIATION | 1.98 | 0.00 | 0.00 | 1.92 | 1.12 | 0.00 | 2.53 | 2.03 |
| NUMBER | 23 | 1 | 1 | 25 | 5 | 0 | 5 | 10 |
| PERCENT HS GRAD | 39.13 | 0.00 | 100.00 | 40.00 | 60.00 | 0.00 | 40.00 | 50.00 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 37.50 | 100.00 | 0.00 | 38.46 | 14.29 | 0.00 | 60.00 | 33.33 |
| NUMBER | 24 | 1 | 1 | 26 | 7 | 0 | 5 | 12 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 92.31 | 100.00 | 0.00 | 0.00 | 61.54 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 3.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 3.85 | 0.00 | 0.00 | 100.00 | 38.46 |

## Table C14-IIIK(PS)-29

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR CLA MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 86 | 12 | 19 | 117 | 32 | 23 | 47 | 102 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 22.29 | 20.75 | 21.84 | 22.06 | 22.34 | 19.96 | 20.30 | 20.86 |
| STANDARD DEVIATION | 9.17 | 12.34 | 10.47 | 9.66 | 10.75 | 9.92 | 11.39 | 10.82 |
| SPELLING | | | | | | | | |
| MEAN | 21.20 | 19.83 | 21.26 | 21.07 | 19.00 | 13.17 | 14.11 | 15.43 |
| STANDARD DEVIATION | 11.60 | 13.33 | 11.62 | 11.69 | 12.61 | 12.04 | 14.58 | 13.54 |
| LANGUAGE | | | | | | | | |
| MEAN | 13.35 | 14.50 | 13.21 | 13.44 | 15.03 | 13.52 | 14.94 | 14.65 |
| STANDARD DEVIATION | 5.54 | 5.96 | 7.14 | 5.83 | 8.52 | 4.77 | 8.61 | 7.83 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 19.12 | 19.58 | 17.95 | 18.97 | 18.28 | 13.96 | 14.77 | 15.69 |
| STANDARD DEVIATION | 6.31 | 7.03 | 6.54 | 6.38 | 8.14 | 6.36 | 6.53 | 7.20 |
| RAVENS | | | | | | | | |
| MEAN | 17.62 | 18.42 | 17.74 | 17.72 | 17.31 | 16.13 | 16.83 | 16.82 |
| STANDARD DEVIATION | 4.45 | 4.81 | 3.90 | 4.37 | 4.88 | 4.47 | 4.63 | 4.65 |
| READING | | | | | | | | |
| MEAN | 16.94 | 15.92 | 13.95 | 16.35 | 18.78 | 15.48 | 15.87 | 16.70 |
| STANDARD DEVIATION | 6.27 | 7.03 | 5.56 | 6.29 | 8.41 | 5.41 | 7.10 | 7.29 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 15.40 | 18.08 | 15.89 | 15.75 | 16.91 | 13.48 | 13.57 | 14.60 |
| STANDARD DEVIATION | 6.02 | 5.07 | 4.98 | 5.79 | 6.96 | 7.37 | 6.60 | 7.00 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 12.48 | 14.25 | 12.21 | 12.62 | 13.59 | 10.87 | 11.26 | 11.90 |
| STANDARD DEVIATION | 5.24 | 5.46 | 6.24 | 5.42 | 6.96 | 5.50 | 5.54 | 6.07 |
| COOPERSMITH | | | | | | | | |
| MEAN | 35.60 | 32.83 | 35.84 | 35.36 | 35.63 | 35.17 | 36.26 | 35.81 |
| STANDARD DEVIATION | 7.45 | 6.77 | 6.97 | 7.30 | 4.40 | 8.70 | 6.23 | 6.35 |
| IARS(-) | | | | | | | | |
| MEAN | 9.91 | 8.33 | 10.32 | 9.81 | 9.69 | 9.43 | 9.32 | 9.46 |
| STANDARD DEVIATION | 2.48 | 2.27 | 3.35 | 2.65 | 2.71 | 2.27 | 2.63 | 2.56 |
| IARS(+) | | | | | | | | |
| MEAN | 12.37 | 11.75 | 12.32 | 12.30 | 12.81 | 12.09 | 12.11 | 12.32 |
| STANDARD DEVIATION | 2.32 | 3.17 | 2.06 | 2.36 | 2.83 | 3.00 | 2.47 | 2.70 |
| TOTAL READING | | | | | | | | |
| MEAN | 39.23 | 36.67 | 35.79 | 38.41 | 41.12 | 35.43 | 36.17 | 37.56 |
| STANDARD DEVIATION | 14.44 | 18.24 | 15.09 | 14.89 | 18.22 | 14.29 | 17.86 | 17.25 |
| TOTAL MATH | | | | | | | | |
| MEAN | 46.99 | 51.92 | 46.05 | 47.34 | 48.78 | 38.30 | 39.60 | 42.19 |
| STANDARD DEVIATION | 15.14 | 15.38 | 15.70 | 15.20 | 20.66 | 16.80 | 17.20 | 18.64 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.48 | 7.92 | 6.84 | 6.68 | 6.34 | 6.26 | 6.06 | 6.20 |
| STANDARD DEVIATION | 2.79 | 3.20 | 3.88 | 3.04 | 3.33 | 2.53 | 3.70 | 3.32 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 6.87 | 6.58 | 6.37 | 6.76 | 8.69 | 7.26 | 8.87 | 8.45 |
| STANDARD DEVIATION | 3.95 | 3.65 | 4.91 | 4.06 | 6.39 | 3.77 | 5.77 | 5.58 |

Table C14-IIIK(PS)-30

## MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR CLA MODEL IN CHICAGO, IL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 62 | 11 | 18 | 91 | 24 | 23 | 42 | 89 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 21.71 | 21.36 | 22.22 | 21.77 | 19.96 | 19.96 | 19.17 | 19.58 |
| STANDARD DEVIATION | 9.21 | 12.75 | 10.64 | 9.85 | 8.58 | 9.92 | 10.40 | 9.72 |
| SPELLING | | | | | | | | |
| MEAN | 21.85 | 20.64 | 20.89 | 21.52 | 18.62 | 13.17 | 13.36 | 14.73 |
| STANDARD DEVIATION | 11.57 | 13.68 | 11.84 | 11.76 | 12.17 | 12.04 | 14.39 | 13.31 |
| LANGUAGE | | | | | | | | |
| MEAN | 12.82 | 14.27 | 13.11 | 13.05 | 12.33 | 13.52 | 14.36 | 13.60 |
| STANDARD DEVIATION | 5.83 | 6.20 | 7.33 | 6.14 | 5.21 | 4.77 | 7.70 | 6.41 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 18.18 | 19.45 | 17.61 | 18.22 | 17.29 | 13.96 | 14.52 | 15.12 |
| STANDARD DEVIATION | 6.03 | 7.35 | 6.56 | 6.25 | 7.62 | 6.36 | 6.38 | 6.79 |
| RAVENS | | | | | | | | |
| MEAN | 16.94 | 18.55 | 18.00 | 17.34 | 16.08 | 16.13 | 16.17 | 16.13 |
| STANDARD DEVIATION | 4.22 | 5.03 | 3.83 | 4.25 | 4.43 | 4.47 | 4.43 | 4.39 |
| READING | | | | | | | | |
| MEAN | 16.34 | 16.36 | 14.17 | 15.91 | 15.96 | 15.48 | 15.24 | 15.49 |
| STANDARD DEVIATION | 6.33 | 7.19 | 5.64 | 6.30 | 5.17 | 5.41 | 6.66 | 5.92 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 15.40 | 18.73 | 16.17 | 15.96 | 16.50 | 13.48 | 13.14 | 14.13 |
| STANDARD DEVIATION | 5.61 | 4.78 | 4.97 | 5.45 | 5.88 | 7.37 | 6.25 | 6.55 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 12.27 | 14.55 | 12.28 | 12.55 | 12.58 | 10.87 | 10.95 | 11.37 |
| STANDARD DEVIATION | 4.91 | 5.63 | 6.42 | 5.31 | 5.64 | 5.50 | 5.20 | 5.39 |
| COOPERSMITH | | | | | | | | |
| MEAN | 35.97 | 32.82 | 36.11 | 35.62 | 35.33 | 35.17 | 35.83 | 35.53 |
| STANDARD DEVIATION | 7.46 | 7.10 | 7.07 | 7.34 | 4.70 | 8.70 | 6.13 | 6.50 |
| IARS(-) | | | | | | | | |
| MEAN | 10.27 | 8.27 | 10.33 | 10.04 | 9.46 | 9.43 | 9.26 | 9.36 |
| STANDARD DEVIATION | 2.44 | 2.37 | 3.45 | 2.71 | 2.40 | 2.27 | 2.70 | 2.49 |
| IARS(+) | | | | | | | | |
| MEAN | 12.32 | 11.73 | 12.28 | 12.24 | 12.46 | 12.09 | 12.02 | 12.16 |
| STANDARD DEVIATION | 2.19 | 3.32 | 2.11 | 2.32 | 2.70 | 3.00 | 2.44 | 2.64 |
| TOTAL READING | | | | | | | | |
| MEAN | 38.05 | 37.73 | 36.39 | 37.68 | 35.92 | 35.43 | 34.40 | 35.08 |
| STANDARD DEVIATION | 14.54 | 18.74 | 15.29 | 15.07 | 12.35 | 14.29 | 16.31 | 14.67 |
| TOTAL MATH | | | | | | | | |
| MEAN | 45.85 | 52.73 | 46.06 | 46.73 | 46.37 | 38.30 | 38.62 | 40.63 |
| STANDARD DEVIATION | 14.02 | 15.86 | 16.16 | 14.68 | 17.37 | 16.60 | 16.18 | 16.84 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.50 | 8.18 | 7.06 | 6.81 | 5.88 | 6.26 | 5.83 | 5.96 |
| STANDARD DEVIATION | 2.80 | 3.22 | 3.87 | 3.10 | 2.92 | 2.53 | 3.43 | 3.06 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 6.32 | 6.09 | 6.06 | 6.24 | 6.46 | 7.26 | 8.52 | 7.64 |
| STANDARD DEVIATION | 4.15 | 3.39 | 4.86 | 4.17 | 3.99 | 3.77 | 5.16 | 4.57 |

## Table C14-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR CLA MODEL IN TOPEKA, KS

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 24 | 1 | 1 | 26 | 8 | 0 | 5 | 13 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 23.79 | 14.00 | 15.00 | 23.08 | 29.50 | 0.00 | 29.80 | 29.62 |
| STANDARD DEVIATION | 9.10 | 0.00 | 0.00 | 9.09 | 13.85 | 0.00 | 15.99 | 14.04 |
| SPELLING | | | | | | | | |
| MEAN | 19.50 | 11.00 | 28.00 | 19.50 | 20.12 | 0.00 | 20.40 | 20.23 |
| STANDARD DEVIATION | 11.74 | 0.00 | 0.00 | 11.51 | 14.67 | 0.00 | 16.35 | 14.65 |
| LANGUAGE | | | | | | | | |
| MEAN | 14.71 | 17.00 | 15.00 | 14.81 | 23.13 | 0.00 | 19.80 | 21.85 |
| STANDARD DEVIATION | 4.57 | 0.00 | 0.00 | 4.41 | 11.53 | 0.00 | 14.52 | 12.27 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 21.54 | 21.00 | 24.00 | 21.62 | 21.25 | 0.00 | 16.80 | 19.54 |
| STANDARD DEVIATION | 6.50 | 0.00 | 0.00 | 6.26 | 9.44 | 0.00 | 8.23 | 8.92 |
| RAVENS | | | | | | | | |
| MEAN | 19.38 | 17.00 | 13.00 | 19.04 | 21.00 | 0.00 | 22.40 | 21.54 |
| STANDARD DEVIATION | 4.64 | 0.00 | 0.00 | 4.64 | 4.50 | 0.00 | 1.52 | 3.62 |
| READING | | | | | | | | |
| MEAN | 18.50 | 11.00 | 10.00 | 17.88 | 27.25 | 0.00 | 21.20 | 24.92 |
| STANDARD DEVIATION | 5.96 | 0.00 | 0.00 | 6.12 | 10.77 | 0.00 | 9.26 | 10.28 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 15.37 | 11.00 | 11.00 | 15.04 | 18.13 | 0.00 | 17.20 | 17.77 |
| STANDARD DEVIATION | 7.11 | 0.00 | 0.00 | 6.92 | 9.93 | 0.00 | 9.09 | 9.24 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 13.00 | 11.00 | 11.00 | 12.85 | 16.62 | 0.00 | 13.80 | 15.54 |
| STANDARD DEVIATION | 6.09 | 0.00 | 0.00 | 5.87 | 9.81 | 0.00 | 8.17 | 8.97 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.67 | 33.00 | 31.00 | 34.46 | 36.50 | 0.00 | 39.80 | 37.77 |
| STANDARD DEVIATION | 7.51 | 0.00 | 0.00 | 7.25 | 3.46 | 0.00 | 6.57 | 4.92 |
| IARS(-) | | | | | | | | |
| MEAN | 8.96 | 9.00 | 10.00 | 9.00 | 10.37 | 0.00 | 9.80 | 10.15 |
| STANDARD DEVIATION | 2.39 | 0.00 | 0.00 | 2.30 | 3.58 | 0.00 | 2.17 | 3.02 |
| IARS(+) | | | | | | | | |
| MEAN | 12.50 | 12.00 | 13.00 | 12.50 | 13.87 | 0.00 | 12.80 | 13.46 |
| STANDARD DEVIATION | 2.67 | 0.00 | 0.00 | 2.57 | 3.14 | 0.00 | 2.86 | 2.96 |
| TOTAL READING | | | | | | | | |
| MEAN | 42.29 | 25.00 | 25.00 | 40.96 | 56.75 | 0.00 | 51.00 | 54.54 |
| STANDARD DEVIATION | 13.99 | 0.00 | 0.00 | 14.22 | 24.44 | 0.00 | 25.18 | 23.84 |
| TOTAL MATH | | | | | | | | |
| MEAN | 49.92 | 43.00 | 46.00 | 49.50 | 56.00 | 0.00 | 47.80 | 52.85 |
| STANDARD DEVIATION | 17.69 | 0.00 | 0.00 | 17.03 | 28.62 | 0.00 | 25.00 | 26.52 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.42 | 5.00 | 3.00 | 6.23 | 7.75 | 0.00 | 8.00 | 7.85 |
| STANDARD DEVIATION | 2.83 | 0.00 | 0.00 | 2.80 | 4.23 | 0.00 | 5.66 | 4.60 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.29 | 12.00 | 12.00 | 8.58 | 15.37 | 0.00 | 11.80 | 14.00 |
| STANDARD DEVIATION | 3.04 | 0.00 | 0.00 | 3.09 | 7.76 | 0.00 | 9.88 | 8.43 |

APPENDIX TABLES
for
VOLUME IV-B

## CHAPTER FIFTEEN
## HOME-SCHOOL PARTNERSHIP MODEL

### Table C15-IIIK-1

### ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT III KINDERGARTEN SITES IN THE HOME-SCHOOL PARTNERSHIP MODEL

| | | NEW YORK, NY | | |
|---|---|---|---|---|
| | | FT | NFT | |
| | | | Local | Best Match |
| AMERICAN INDIAN | Percent | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 |
| BLACK | Percent | 100.0 | 80.7 | 100.0 |
| | Number | 31 | 167 | 15 |
| ORIENTAL | Percent | 0.0 | 2.9 | 0.0 |
| | Number | 0 | 6 | 0 |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 |
| PUERTO RICAN | Percent | 0.0 | 14.5 | 0.0 |
| | Number | 0 | 30 | 0 |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 |
| WHITE | Percent | 0.0 | 1.9 | 0.0 |
| | Number | 0 | 4 | 0 |
| OTHER | Percent | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 |
| BEST MATCHED SITE | | Morgan Comm Sch,DC | | |

Table C15-IIIK-2

### DISTRIBUTION OF BACKGROUND VARIABLES
### COHORT III KINDERGARTEN CHILDREN
### FOR THE HOME-SCHOOL PARTNERSHIP MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | |
|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE | | | | | | |
| Number | — | — | — | 32 | 207 | 15 |
| FALL KINDERGARTEN WRAT | | | | | | |
| Mean Score | 35.6 | 31.1 | — | 35.6 | 31.1 | 28.3 |
| PERCENT WITH PRESCHOOL | 72 | 48 | — | 72 | 48 | 87 |
| Number Responding | — | — | — | 32 | 163 | 15 |
| CHILDREN'S ETHNICITY | | | | | | |
| Percent Black | 100 | 81 | — | 100 | 81 | 100 |
| Percent White | 0 | 2 | — | 0 | 2 | 0 |
| Percent Other | 0 | 17 | — | 0 | 17 | 0 |
| MEDIAN FAMILY INCOME | 5100 | 5775 | — | 5100 | 5775 | 4750 |
| Number Responding | — | — | — | 22 | 39 | 15 |
| MOTHER'S EDUCATION | | | | | | |
| Percent H.S. Graduates | 50 | 33 | — | 50 | 33 | 43 |
| Number Responding | — | — | — | 22 | 46 | 14 |
| FEMALE HEADS OF HOUSEHOLD | | | | | | |
| Percent | 50 | 30 | — | 50 | 30 | 47 |
| BEST MATCHED SITE | | | | Morgan Comm Sch,DC | | |

Table C15-IIIK-3

### TEACHER BACKGROUND CHARACTERISTICS FOR COHORT III-K SITES IN HOME-SCHOOL PARTNERSHIP MODEL

| | New York, NY | |
|---|---|---|
| | FT | NFT |
| YEARS OF ELEMENTARY TEACHING EXPERIENCE | | |
| Mean | 4.00 | 8.85 |
| Standard Deviation | 1.41 | 6.06 |
| N | 2 | 20 |
| YEARS IN SCHOOL | | |
| Mean | 2.00 | 7.80 |
| Standard Deviation | 0 | 5.81 |
| N | 2 | 20 |
| YEARS IN MODEL | | |
| Mean | 1.50 | 2.00 |
| Standard Deviation | 0.70 | 3.00 |
| N | 2 | 6 |
| TEACHER'S EDUCATION | | |
| % Less than B.A. | 0 | 0 |
| % with B.A. | 0 | 10.0 |
| % Some Graduate | 0 | 25.0 |
| % M.A. or More | 100.0 | 65.0 |
| N | 2 | 20 |
| TEACHER'S CERTIFICATION | | |
| % None | 0 | 0 |
| % Temporary | 0 | 10.5 |
| % Renewable/Permanent | 100.0 | 89.5 |
| N | 2 | 19 |
| TEACHER'S ETHNICITY | | |
| % White | 100.0 | 68.4 |
| % Black | 0 | 26.3 |
| % Spanish Surname | 0 | 5.3 |
| % Other | 0 | 0 |
| N | 2 | 19 |
| AGE IN YEARS | | |
| Mean | 26.50 | 36.15 |
| Standard Deviation | 0.70 | 11.21 |
| N | 2 | 19 |

Table C15-IIIK-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1975) FOR THE COHORT III KINDERGARTEN SITES IN THE HOME-SCHOOL PARTNERSHIP MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | |
|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 46.9 | 52.6 | — | 46.9 | 52.6 | 51.8 |
| Number | 1 | 1 | — | 2 | 20 | 3 |
| Local Mean Difference | -5.8 | — | — | -5.8 | — | — |
| Best Match Mean Difference | — | — | — | -5.0 | — | — |
| FLEXIBLE CLASSROOM | 42.3 | 47.6 | — | 42.3 | 47.6 | 54.0 |
| Number | 1 | 1 | — | 2 | 20 | 3 |
| Local Mean Difference | -5.4 | — | — | -5.4 | — | — |
| Best Match Mean Difference | — | — | — | -11.7 | — | — |
| INDIVIDUALIZATION | 46.1 | 44.8 | — | 46.1 | 44.8 | 50.0 |
| Number | 1 | 1 | — | 2 | 20 | 3 |
| Local Mean Difference | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -3.9 | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 55.9 | 50.3 | — | 55.9 | 50.3 | 44.7 |
| Number | 1 | 1 | — | 2 | 18 | 3 |
| Local Mean Difference | 5.6 | — | — | 5.6 | — | — |
| Best Match Mean Difference | — | — | — | 11.2 | — | — |
| SATISFACTION WITH SPONSOR | 63.4 | 48.0 | — | 63.4 | 48.0 | 50.3 |
| Number | 1 | 1 | — | 2 | 7 | 1 |
| Local Mean Difference | 15.4 | — | — | 15.4 | — | — |
| Best Match Mean Difference | — | — | — | 13.2 | — | — |
| BEST MATCHED SITE | | | | Morgan Comm Sch,DC | | |

## Table C15-IIIK-5

STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1975)
FOR THE COHORT III KINDERGARTEN SITES
IN THE HOME-SCHOOL PARTNERSHIP MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | |
|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 51.5 | 51.9 | — | 51.5 | 51.9 | 53.7 |
| Number | 1 | 1 | — | 18 | 125 | 15 |
| Local Mean Difference | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — |
| SCHOOL HELPED CHILD | 54.4 | 49.2 | — | 54.4 | 49.2 | 47.9 |
| Number | 1 | 1 | — | 18 | 124 | 15 |
| Local Mean Difference | 5.2 | — | — | 5.2 | — | — |
| Best Match Mean Difference | — | — | — | 6.4 | — | — |
| PAC INVOLVEMENT | 52.4 | 45.2 | — | 52.4 | 45.2 | 50.2 |
| Number | 1 | 1 | — | 18 | 99 | 14 |
| Local Mean Difference | 7.2 | — | — | 7.2 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — |
| CHILD READS AT HOME | 52.7 | 52.6 | — | 52.7 | 52.6 | 54.9 |
| Number | 1 | 1 | — | 18 | 125 | 15 |
| Local Mean Difference | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — |
| CHILD'S PROG IN SCHOOL | 52.2 | 50.6 | — | 52.2 | 50.6 | 47.3 |
| Number | 1 | 1 | — | 18 | 125 | 15 |
| Local Mean Difference | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 4.9 | — | — |
| CHILD READ TO AT HOME | 53.1 | 51.8 | — | 53.1 | 51.8 | 59.6 |
| Number | 1 | 1 | — | 18 | 125 | 15 |
| Local Mean Difference | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -6.5 | — | — |
| PARENT VISITS TO SCHOOL | 53.4 | 50.7 | — | 53.4 | 50.7 | 52.6 |
| Number | 1 | 1 | — | 18 | 125 | 15 |
| Local Mean Difference | 2.7 | — | — | 2.7 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — |
| CHILD'S EMOT ADJUST | 52.3 | 51.5 | — | 52.3 | 51.5 | 54.3 |
| Number | 1 | 1 | — | 18 | 124 | 15 |
| Local Mean Difference | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — |
| SCH HELPED WITH CHILD | 52.7 | 49.3 | — | 52.7 | 49.3 | 51.4 |
| Number | 1 | 1 | — | 18 | 124 | 15 |
| Local Mean Difference | 3.4 | — | — | 3.4 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — |
| SCHOOL'S RECEPTIVITY | 48.6 | 51.7 | — | 48.6 | 51.7 | 42.9 |
| Number | 1 | 1 | — | 18 | 124 | 15 |
| Local Mean Difference | -3.1 | — | — | -3.1 | — | — |
| Best Match Mean Difference | — | — | — | 5.7 | — | — |
| PARENT LOCUS | 57.0 | 49.8 | — | 57.0 | 49.8 | 53.3 |
| Number | 1 | 1 | — | 18 | 125 | 15 |
| Local Mean Difference | 7.3 | — | — | 7.3 | — | — |
| Best Match Mean Difference | — | — | — | 3.7 | — | — |
| SCH HELPED PERSONALLY | 48.3 | 46.8 | — | 48.3 | 46.8 | 54.0 |
| Number | 1 | 1 | — | 18 | 125 | 15 |
| Local Mean Difference | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -5.8 | — | — |
| PARENT-CHILD INTERACTION | 54.9 | 54.1 | — | 54.9 | 54.1 | 53.1 |
| Number | 1 | 1 | — | 18 | 125 | 15 |
| Local Mean Difference | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | -- | — | — | — |
| BEST MATCHED SITE | | | | Morgan Comm Sch, DC | | |

## Table C15-IIIK-6

## PROPORTION OF ATTRITION AND DESCRIPTIVE INFORMATION FOR HOME-SCHOOL PARNERSHIP MODEL

| | | New York, NY | |
|---|---|---|---|
| | | FT | NFT |
| **NUMBER** | | | |
| **Total Registration** | **N** | 96 | 764 |
| **Children Retained (Analytic Sample)** | **N** | 32 | 207 |
| **Children Not Retained (Program and Sample Attrition)** | **N** | 64 | 557 |
| | **%*** | 67 | 73 |
| **Children Not Retained (Sample Attrition)** | **N** | 11 | 90 |
| | **%*** | 11 | 12 |
| WRAT | | | |
| Total Registration | Mean | 31.8 | 31.5 |
| | Standard Deviation | 14.5 | 13.7 |
| | Number | 82 | 669 |
| Children Retained (Analytic Sample) | Mean | 35.6 | 31.1 |
| | Standard Deviation | 13.2 | 12.4 |
| | Number | 29 | 198 |
| Children Not Retained (Program and Sample Attrition) | Mean | 29.6 | 31.7 |
| | Standard Deviation | 14.9 | 14.2 |
| | Number | 53 | 471 |
| Children Not Retained (Sample Attrition) | Mean | 18.0 | 29.3 |
| | Standard Deviation | 10.5 | 15.5 |
| | Number | 11 | 89 |
| INCOME | | | |
| Total Registration | Mean | 5066 | 5934 |
| | Standard Deviation | 2663 | 2509 |
| | Number | 70 | 216 |
| Children Retained (Analytic Sample) | Mean | 5059 | 6090 |
| | Standard Deviation | 1739 | 2255 |
| | Number | 22 | 39 |
| Children Not Retained (Program and Sample Attrition) | Mean | 5068 | 5900 |
| | Standard Deviation | 3010 | 2566 |
| | Number | 48 | 177 |
| Children Not Retained (Sample Attrition) | Mean | 2822 | 5881 |
| | Standard Deviation | 1075 | 2489 |
| | Number | 9 | 58 |

***Percent of Total Registration.**

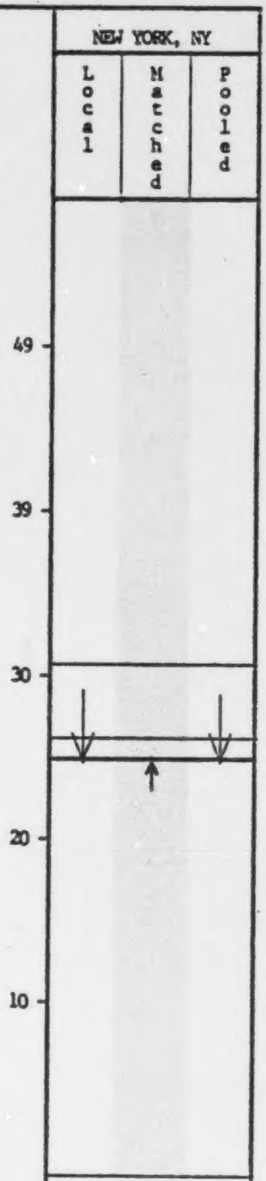
## Table C15-IIIK-7

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT WORD KNOWLEDGE FOR COHORT III KINDERGARTEN SITES IN THE HOME-SCHOOL PARTNERSHIP MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. - | 9.85 |
| .25 S.D. - | 2.46 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 30.5

Overall NFT Mean 26.3



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -4.32 | 1.81 | -4.10 |
| Standard Error | 3.76 | 3.29 | 3.01 |
| FT Mean | 24.66 | | |
| No. of FT Children | 32 | | |
| Matched NFT Site | Morgan Comm Sch, DC | | |

## Table C15-IIIK-8

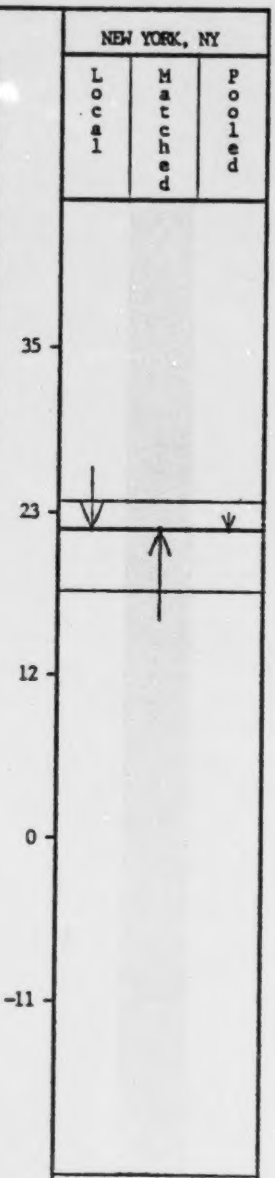
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT SPELLING FOR COHORT III KINDERGARTEN SITES IN THE HOME-SCHOOL PARTNERSHIP MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ↓ ↑ |
| S.D. - | 11.60 |
| .25 S.D. - | 2.90 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 24.0

Overall NFT Mean 18.4



| | NEW YORK, NY Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -4.47 | 6.39 | -0.15 |
| Standard Error | 4.75 | 4.42 | 2.37 |
| FT Mean | 22.19 | | |
| No. of FT Children | 32 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | |

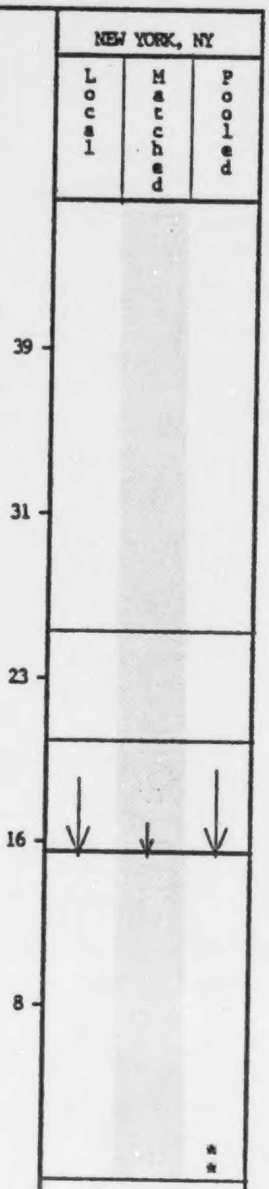
## Table C15-IIIK-9

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE FOR COHORT III KINDERGARTEN SITES IN THE HOME-SCHOOL PARTNERSHIP MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋎ ⋏ |
| S.D. - | 7.75 |
| .25 S.D. - | 1.94 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 26.0

Overall NFT Mean 20.6



| | NEW YORK, NY | | |
|---|---|---|---|
| | Local | Matched | Pooled |
| Magnitude of Effect | -3.58 | -1.51 | -4.04 |
| Standard Error | 2.96 | 2.77 | 1.46 |
| FT Mean | 15.09 | | |
| No. of FT Children | 32 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | |

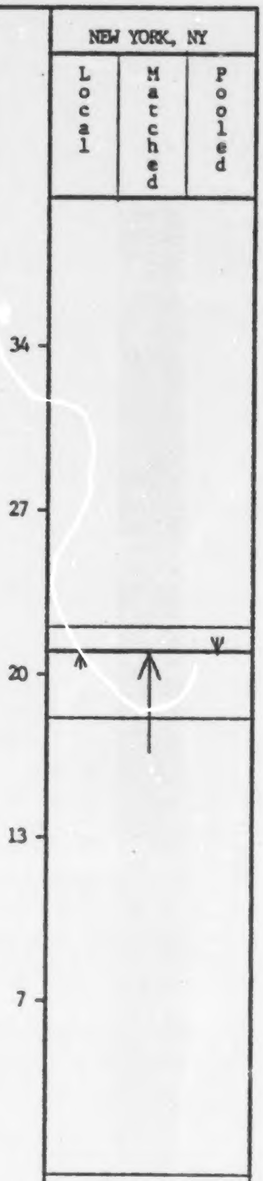
## Table C15-IIIK-10

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT III KINDERGARTEN SITES IN THE HOME-SCHOOL PARTNERSHIP MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. - | 6.71 |
| .25 S.D. - | 1.68 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.5

Overall NFT Mean 18.5



| | | | |
|---|---|---|---|
| Magnitude of Effect | 0.35 | 4.05 | -0.04 |
| Standard Error | 3.18 | 2.93 | 2.90 |
| FT Mean | 21.13 | | |
| No. of FT Children | 32 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | |

# Table C15-IIIK-11

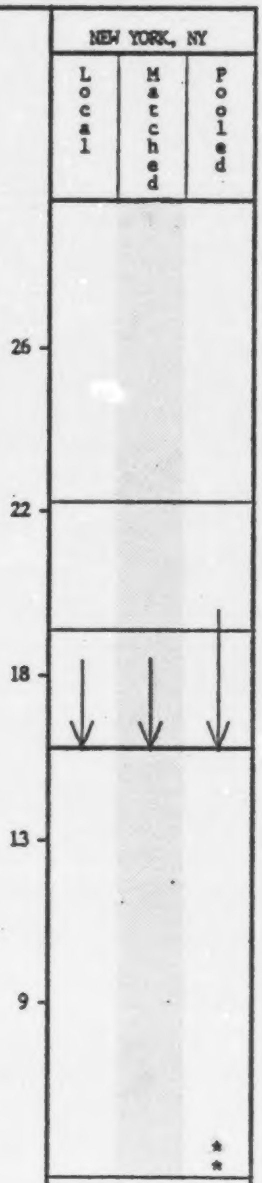
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE RAVEN S PROGRESSIVE MATRICES FOR COHORT III KINDERGARTEN SITES IN THE HOME-SCHOOL PARTNERSHIP MODEL

**KEY**

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ⋁ ⋀
S.D. - 4.38
.25 S.D. - 1.09
P < .05 : *
P < .01 : **

National Mean 22.3

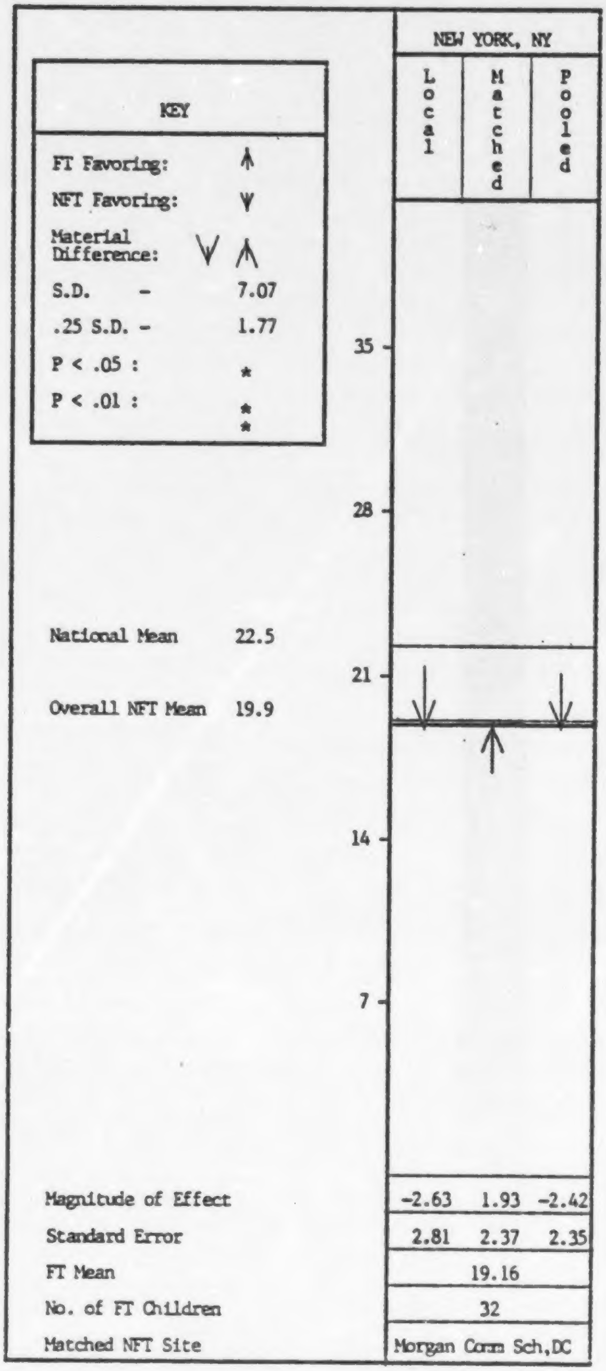
Overall NFT Mean 19.0



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -2.34 | -2.42 | -3.66 |
| Standard Error | 1.72 | 1.58 | 0.80 |
| FT Mean | 15.72 | | |
| No. of FT Children | 32 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | |

## Table C15-IIIK-12

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT READING FOR COHORT III KINDERGARTEN SITES IN THE HOME-SCHOOL PARTNERSHIP MODEL



| | NEW YORK, NY Local | NEW YORK, NY Matched | NEW YORK, NY Pooled |
|---|---|---|---|
| Magnitude of Effect | -2.63 | 1.93 | -2.42 |
| Standard Error | 2.81 | 2.37 | 2.35 |
| FT Mean | 19.16 | | |
| No. of FT Children | 32 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | |

1402

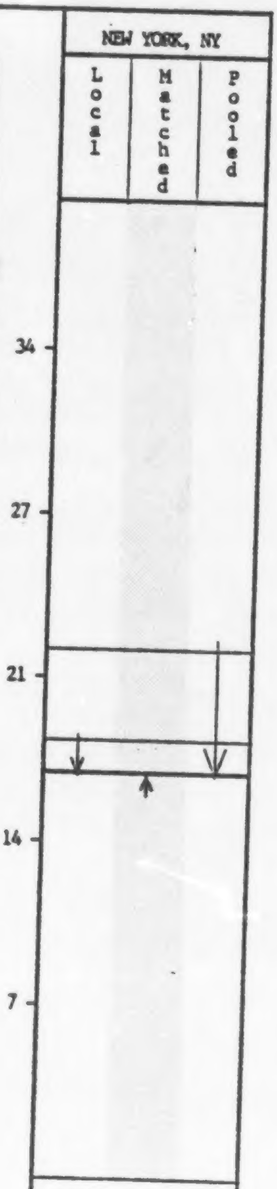
## Table C15-IIIK-13

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS CONCEPTS FOR COHORT III KINDERGARTEN SITES IN THE HOME-SCHOOL PARTNERSHIP MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋎ ⋏ |
| S.D. - | 6.87 |
| .25 S.D. - | 1.72 |
| P < .05 : | * |
| P < .01 : | * * |

National Mean 22.0

Overall NFT Mean 18.0

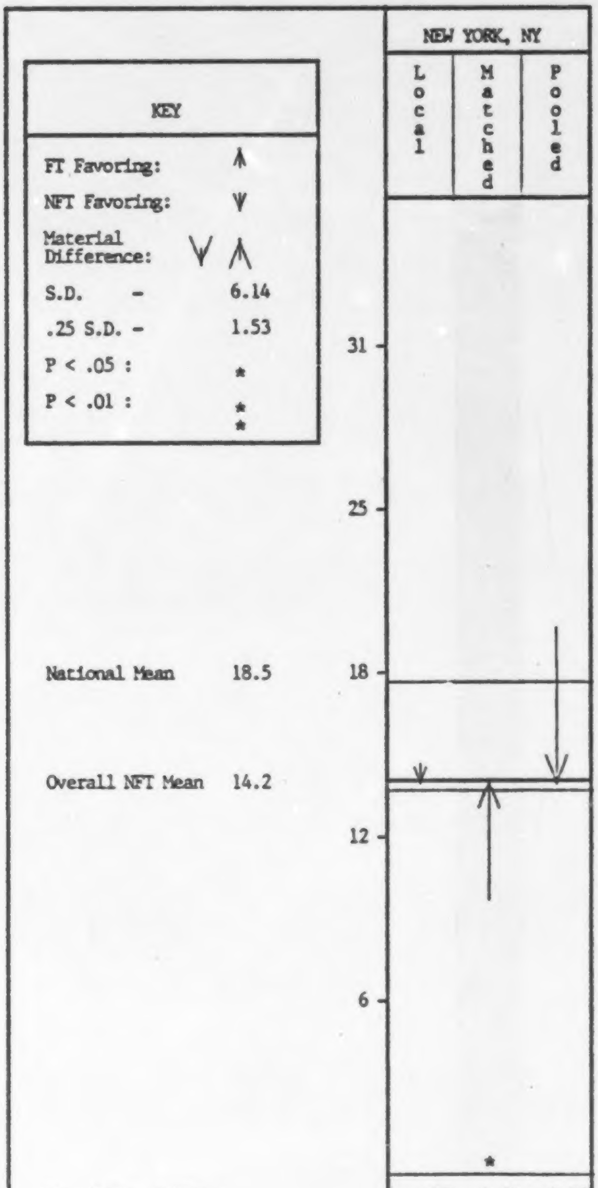


| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -1.65 | 0.94 | -5.67 |
| Standard Error | 2.73 | 2.56 | 4.24 |
| FT Mean | 16.78 | | |
| No. of FT Children | 32 | | |
| Matched NFT Site | Morgan Comm Sch, DC | | |

**COHORT III-K STUDY**
**Non-Preschool Adjusted**

## Table C15-IIIK-14

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT III KINDERGARTEN SITES IN THE HOME-SCHOOL PARTNERSHIP MODEL



| | NEW YORK, NY | | |
|---|---|---|---|
| | Local | Matched | Pooled |
| Magnitude of Effect | -0.25 | 4.49 | -5.76 |
| Standard Error | 2.56 | 1.96 | 6.37 |
| FT Mean | 14.53 | | |
| No. of FT Children | 32 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | |

Table C15-IIIK-15

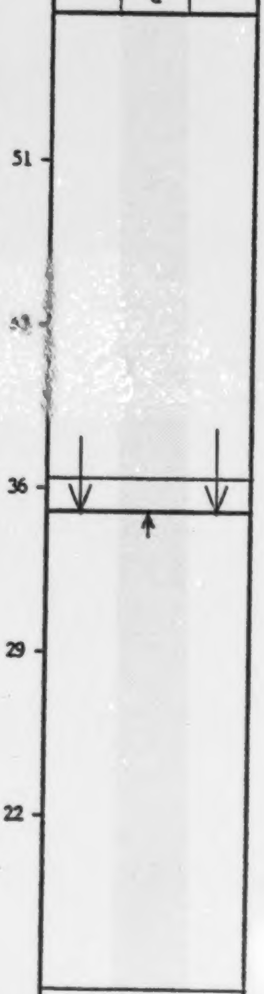
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE COOPERSMITH SELF-ESTEEM INVENTORY
FOR COHORT III KINDERGARTEN SITES
IN THE HOME-SCHOOL PARTNERSHIP MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⩡ ⩠ |
| S.D. - | 7.22 |
| .25 S.D. - | 1.80 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 36.6

NEW YORK, NY — Local, Matched, Pooled



| | NEW YORK, NY Local | NEW YORK, NY Matched | NEW YORK, NY Pooled |
|---|---|---|---|
| Magnitude of Effect | -3.34 | 1.10 | -3.72 |
| Standard Error | 3.21 | 3.56 | 2.67 |
| FT Mean | 35.19 | | |
| No. of FT Children | 32 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | |

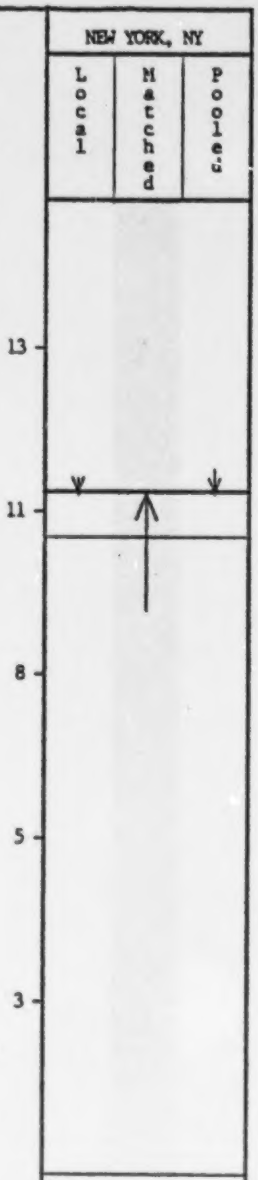
## Table C15-IIIK-16

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT III KINDERGARTEN SITES IN THE HOME-SCHOOL PARTNERSHIP MODEL

**KEY**

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ⩔ ⩓
S.D. - 2.64
.25 S.D. - .66
P < .05 : *
P < .01 : **

Overall NFT Mean 10.1



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -0.01 | 1.88 | -0.41 |
| Standard Error | 1.06 | 1.02 | 1.14 |
| FT Mean | 10.91 | | |
| No. of FT Children | 32 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | |

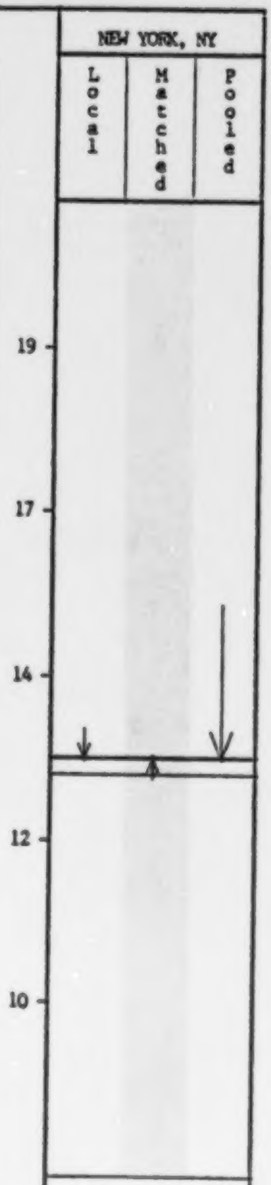
## Table C15-IIIK-17

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE FOR COHORT III KINDERGARTEN SITES IN THE HOME-SCHOOL PARTNERSHIP MODEL

**KEY**

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ⋎ ⋏
S.D. - 2.39
.25 S.D. - .60
P < .05 : *
P < .01 : **

Overall NFT Mean 13.1

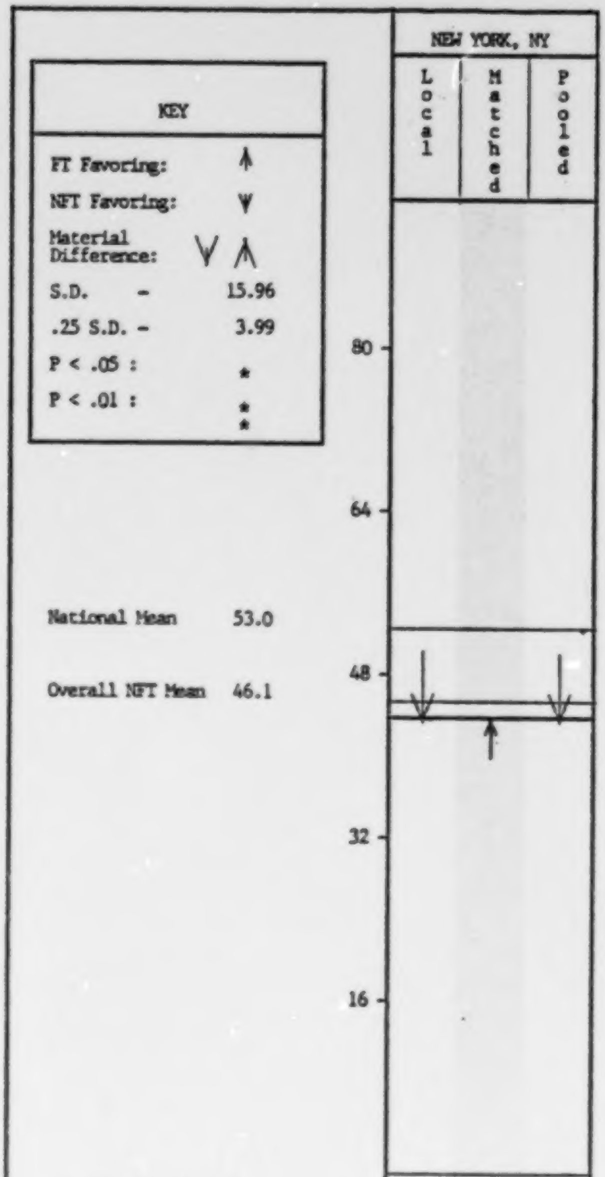


| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -0.43 | 0.32 | -2.27 |
| Standard Error | 0.92 | 0.88 | 2.62 |
| FT Mean | 13.25 | | |
| No. of FT Children | 32 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | |

**COHORT III-K STUDY**
**Non-Preschool Adjusted**

## Table C15-IIIK-18

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT TOTAL READING
FOR COHORT III KINDERGARTEN SITES
IN THE HOME-SCHOOL PARTNERSHIP MODEL



| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -6.95 | 3.73 | -6.52 |
| Standard Error | 6.16 | 5.19 | 5.26 |
| FT Mean | 43.81 | | |
| No. of FT Children | 32 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | |

Table C15-IIIK-19

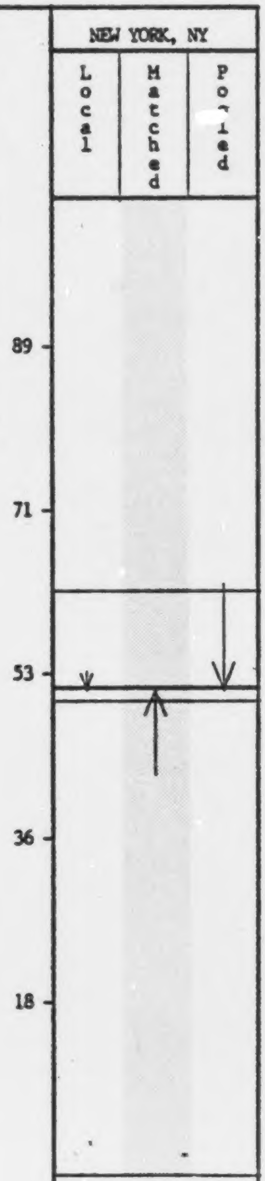
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL MATH FOR COHORT III KINDERGARTEN SITES IN THE HOME-SCHOOL PARTNERSHIP MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. - | 17.83 |
| .25 S.D. - | 4.46 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 63.0

Overall NFT Mean 50.8

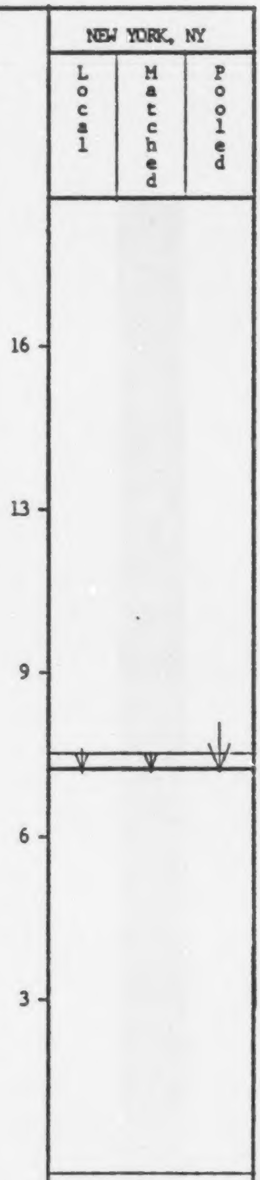


| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -1.55 | 9.48 | -11.43 |
| Standard Error | 7.54 | 6.71 | 13.30 |
| FT Mean | 52.44 | | |
| No. of FT Children | 32 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | |

## Table C15-IIIK-20

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT III KINDERGARTEN SITES IN THE HOME-SCHOOL PARTNERSHIP MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. - | 3.14 |
| .25 S.D. - | .79 |
| P < .05 : | * |
| P < .01 : | ** |

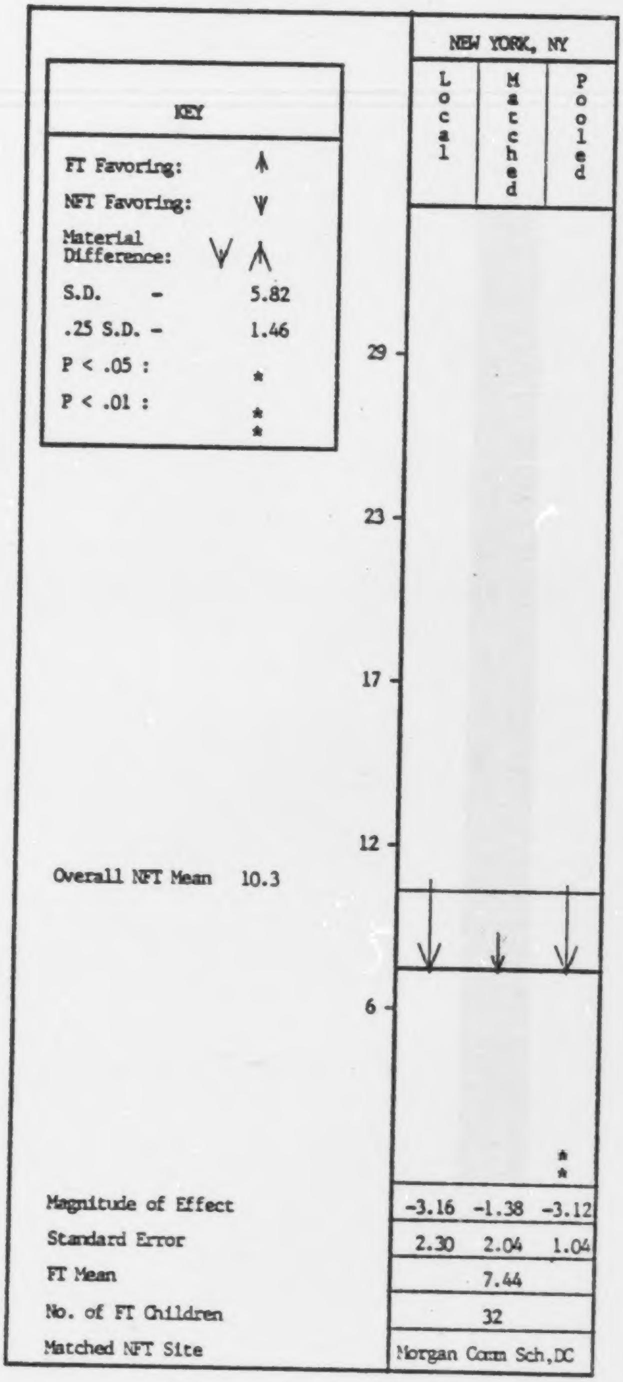


Overall NFT Mean 8.1

| | NEW YORK, NY | | |
|---|---|---|---|
| | Local | Matched | Pooled |
| Magnitude of Effect | -0.42 | -0.13 | -0.93 |
| Standard Error | 1.31 | 1.20 | 0.62 |
| FT Mean | 7.66 | | |
| No. of FT Children | 32 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | |

## Table C15-IIIK-21

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT III KINDERGARTEN SITES IN THE HOME-SCHOOL PARTNERSHIP MODEL



KEY

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⩒ ⩑ |
| S.D. - | 5.82 |
| .25 S.D. - | 1.46 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 10.3

| | Local | Matched | Pooled |
|---|---|---|---|
| Magnitude of Effect | -3.16 | -1.38 | -3.12 |
| Standard Error | 2.30 | 2.04 | 1.04 |
| FT Mean | 7.44 | | |
| No. of FT Children | 32 | | |
| Matched NFT Site | Morgan Comm Sch,DC | | |

Table C15-IIIK-22

STANDARDIZED SCORES FOR MAT READING, MATHEMATICS,
LANGUAGE AND SPELLING SUBTESTS
COHORT III KINDERGARTEN CHILDREN
FOR THE HOME-SCHOOL PARTNERSHIP MODEL

| | | SPONSOR'S SITES | | | NEW YORK, NY | | |
|---|---|---|---|---|---|---|---|
| | MAT NORM POPULATION | FT | NFT | Local Best Match | FT | NFT | Local Best Match |
| TOTAL READING | | | | | | | |
| Third Grade Median | 61 | 56.5 | 58.8 | — | 56.5 | 58.8 | 50.3 |
| Median Percentile | 50 | 36.0 | 42.0 | 16.0 | 36.0 | 42.0 | 16.0 |
| Grade Equivalent | 3.5 | 3.1 | 3.3 | 2.4 | 3.1 | 3.3 | 2.4 |
| 1 Year or More Below Grade Level | 20 | 34.4 | 24.6 | — | 34.4 | 24.6 | 60.0 |
| TOTAL MATHEMATICS | | | | | | | |
| Third Grade Median | 70.5 | 64.5 | 64.9 | — | 64.5 | 64.9 | 52.0 |
| Median Percentile | 50 | 32.0 | 32.0 | 6.0 | 32.0 | 32.0 | 6.0 |
| Grade Equivalent | 3.75 | 3.3 | 3.3 | 2.3 | 3.3 | 3.3 | 2.3 |
| 1 Year or More Below Grade Level | 12 | 28.1 | 28.0 | — | 28.1 | 28.0 | 53.3 |
| SPELLING | | | | | | | |
| Third Grade Median | 64 | 63.0 | 66.8 | — | 63.0 | 66.8 | 50.5 |
| Median Percentile | 50 | 48.0 | 60.0 | 16.0 | 48.0 | 60.0 | 16.0 |
| Grade Equivalent | 3.6 | 3.5 | 4.1 | 2.4 | 3.5 | 4.1 | 2.4 |
| 1 Year or More Below Grade Level | 22 | 28.1 | 20.3 | — | 28.1 | 20.3 | 66.7 |
| LANGUAGE | | | | | | | |
| Third Grade Median | 70 | 54.3 | 59.3 | — | 54.3 | 59.3 | 53.8 |
| Median Percentile | 50 | 12.0 | 23.0 | 12.0 | 12.0 | 23.0 | 12.0 |
| Grade Equivalent | 4.0 | 2.4 | 2.9 | 2.4 | 2.4 | 2.9 | 2.4 |
| 1 Year or More Below Grade Level | 14 | 68.8 | 58.0 | — | 68.8 | 58.0 | 73.3 |
| BEST MATCHED SITE | | | | | Morgan Comm Sch,DC | | |

Table C15-IIIK(PS)-22

STANDARDIZED SCORES FOR MAT READING, MATHEMATICS,
LANGUAGE AND SPELLING SUBTESTS
COHORT III KINDERGARTEN CHILDREN WITH HEADSTART
FOR THE HOME-SCHOOL PARTNERSHIP MODEL

| | MAT NORM POPULATION | SPONSOR'S SITES | | NEW YORK, NY | |
|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT |
| **TOTAL READING** | | | | | |
| Third Grade Median | 61 | 56.5 | 59.3 | 56.5 | 59.3 |
| Median Percentile | 50 | 34 | 42 | 34 | 42 |
| Grade Equivalent | 3.5 | 3.0 | 3.3 | 3.0 | 3.3 |
| % 1 Year or More Below Grade Level | 20 | 34 | 26 | 34 | 26 |
| **TOTAL MATHEMATICS** | | | | | |
| Third Grade Median | 70.5 | 65.0 | 64.1 | 65.0 | 64.1 |
| Median Percentile | 50 | 32 | 28 | 32 | 28 |
| Grade Equivalent | 3.75 | 3.3 | 3.2 | 3.3 | 3.2 |
| % 1 Year or More Below Grade Level | 12 | 28 | 29 | 28 | 29 |
| **SPELLING** | | | | | |
| Third Grade Median | 64 | 62.6 | 66.4 | 62.6 | 66.4 |
| Median Percentile | 50 | 48 | 58 | 48 | 58 |
| Grade Equivalent | 3.6 | 3.5 | 3.9 | 3.5 | 3.9 |
| % 1 Year or More Below Grade Level | 22 | 28 | 24 | 28 | 24 |
| **LANGUAGE** | | | | | |
| Third Grade Median | 70 | 54.4 | 59.7 | 54.4 | 59.7 |
| Median Percentile | 50 | 12 | 26 | 12 | 26 |
| Grade Equivalent | 4.0 | 2.4 | 3.0 | 2.4 | 3.0 |
| % 1 Year or More Below Grade Level | 14 | 66 | 57 | 66 | 57 |

## Table C15-IIIK-23

### MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES USED IN THE ANALYTIC SAMPLE OF THE COHORT III KINDERGARTEN CHILDREN FOR THE HOME-SCHOOL PARTNERSHIP MODEL

| | SPONSOR'S SITES | | | NEW YORK, NY | | |
|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | |
| Mean | 35.6 | 31.1 | — | 35.6 | 31.1 | 28.3 |
| Standard Deviation | — | — | — | 13.2 | 12.4 | 12.1 |
| HIGHEST OCCUPATION IN HOUSE | | | | | | |
| Mean | 14.5 | 14.0 | — | 14.5 | 14.0 | 13.9 |
| Standard Deviation | — | — | — | 2.2 | 2.0 | 1.9 |
| FAMILY INCOME IN DOLLARS | | | | | | |
| Mean | 5059 | 6090 | — | 5059 | 6090 | 4460 |
| Standard Deviation | — | — | — | 1739 | 2255 | 2318 |
| MISSING INCOME INFORMATION | | | | | | |
| No. Missing | — | — | — | 10 | 168 | 0 |
| Valid Cases | — | — | — | 22 | 39 | 15 |
| ETHNIC MEMBERSHIP/RACE | | | | | | |
| Percent White | 0 | 2 | — | 0 | 2 | 0 |
| Percent Black | 100 | 81 | — | 100 | 81 | 100 |
| SEX Percent Female | 44 | 48 | — | 44 | 48 | 53 |
| ENTRY AGE IN MONTHS | | | | | | |
| Mean | 63.4 | 63.4 | — | 63.4 | 63.4 | 61.6 |
| Standard Deviation | — | — | — | 3.6 | 3.5 | 3.8 |
| FIRST LANGUAGE | | | | | | |
| Percent English | 100 | 85 | — | 100 | 85 | 100 |
| BEST MATCHED SITE | | | | Morgan Comm Sch,DC | | |

Table C15-IIIK-24

## MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES FOR THE COHORT III KINDERGARTEN CHILDREN IN THE HOME-SCHOOL PARTNERSHIP MODEL

| | ALL SITES | | SPONSOR'S SITES | | | NEW YORK, NY | | |
|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | | FT | NFT | |
| | | | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | |
| Mean | 41.25 | 46.14 | 43.81 | 47.54 | — | 43.31 | 47.54 | 34.13 |
| Standard Deviation | | | — | — | — | 17.39 | 17.01 | 12.74 |
| TOTAL MATHEMATICS | | | | | | | | |
| Mean | 47.77 | 50.84 | 52.44 | 51.13 | — | 52.44 | 51.13 | 38.27 |
| Standard Deviation | | | — | — | — | 21.60 | 19.80 | 14.03 |
| LANGUAGE | | | | | | | | |
| Mean | 16.60 | 18.44 | 15.09 | 16.93 | — | 15.09 | 16.93 | 14.40 |
| Standard Deviation | | | — | — | — | 7.62 | 7.68 | 6.76 |
| SPELLING | | | | | | | | |
| Mean | 17.64 | 20.63 | 22.19 | 24.46 | — | 22.19 | 24.46 | 11.00 |
| Standard Deviation | | | — | — | — | 13.68 | 12.06 | 11.80 |
| RAVEN'S PROGRESSIVE MAT. | | | | | | | | |
| Mean | 18.15 | 18.95 | 15.72 | 17.53 | — | 15.72 | 17.53 | 16.53 |
| Standard Deviation | | | — | — | — | 4.79 | 4.88 | 4.14 |
| COOPERSMITH'S SELF-EST. | | | | | | | | |
| Mean | 35.64 | 36.59 | 35.19 | 37.24 | — | 35.19 | 37.24 | 32.67 |
| Standard Deviation | | | — | — | — | 9.86 | 7.11 | 8.89 |
| IARS-LOCUS NEGATIVE | | | | | | | | |
| Mean | 9.91 | 10.11 | 10.91 | 11.20 | — | 10.91 | 11.20 | 8.47 |
| Standard Deviation | | | — | — | — | 2.70 | 2.45 | 3.00 |
| IARS-LOCUS POSITIVE | | | | | | | | |
| Mean | 12.83 | 13.07 | 13.25 | 13.57 | — | 13.25 | 13.57 | 12.60 |
| Standard Deviation | | | — | — | — | 2.33 | 2.12 | 2.16 |
| WORD KNOWLEDGE | | | | | | | | |
| Mean | 23.30 | 26.29 | 24.66 | 26.98 | — | 24.66 | 26.98 | 19.53 |
| Standard Deviation | | | — | — | — | 10.92 | 10.20 | 8.06 |
| READING | | | | | | | | |
| Mean | 17.95 | 19.85 | 19.16 | 20.57 | — | 19.16 | 20.57 | 14.60 |
| Standard Deviation | | | — | — | — | 7.45 | 7.62 | 5.45 |
| MATH COMPUTATIONS | | | | | | | | |
| Mean | 18.16 | 18.55 | 21.13 | 19.35 | — | 21.13 | 19.35 | 14.87 |
| Standard Deviation | | | — | — | — | 9.15 | 7.85 | 4.85 |
| MATH CONCEPTS | | | | | | | | |
| Mean | 16.41 | 18.04 | 16.78 | 17.52 | — | 16.78 | 17.52 | 14.00 |
| Standard Deviation | | | — | — | — | 7.92 | 7.21 | 6.72 |
| MATH PROBLEM SOLVING | | | | | | | | |
| Mean | 13.20 | 14.25 | 14.53 | 14.25 | — | 14.53 | 14.25 | 9.40 |
| Standard Deviation | | | — | — | — | 5.96 | 6.70 | 4.47 |
| LANGUAGE PART A | | | | | | | | |
| Mean | 7.59 | 8.13 | 7.66 | 8.16 | — | 7.66 | 8.16 | 6.40 |
| Standard Deviation | | | — | — | — | 3.66 | 3.24 | 3.48 |
| LANGUAGE PART B | | | | | | | | |
| Mean | 9.01 | 10.31 | 7.44 | 8.77 | — | 7.44 | 8.77 | 8.00 |
| Standard Deviation | | | — | — | — | 5.01 | 5.85 | 4.71 |
| BEST MATCH SITE | | | | | | Morgan Comm Sch, DC | | |

**COHORT III-K STUDY**
**Non-Preschool Adjusted**

Table C15-IIIK-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K LOCAL ANALYSES FOR THE HOME-SCHOOL PARTNERSHIP MODEL

### CODE

FKW = Fall Kindergarten WRAT
NOFKW = Missing WRAT
INCOME = Income
ETH1 = White vs. Black
OCCUP = Occupation
SEX = Sex
NOOCCUP = Missing Occupation
ENTAGE = Entry Age
ETH2 = White vs. Other
LANG = First Language
NOINC = Missing Income

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .75324364 | .14801022 |
| NOFKW | 6.1635209 | 14.110718 |
| INCOME | .48077027E-03 | .85180164E-03 |
| ETH1 | 5.9312685 | 5.9029946 |
| OCCUP | .58353671 | .88487369 |
| SEX | -3.4784752 | 3.6673579 |
| NOOCCUP | -2.8407749 | 8.1256798 |
| ENTAGE | -.12157783 | .53331210 |
| ETH2 | .47232077 | 6.7632849 |
| LANG | 2.8608440 | 9.2474490 |
| NOINC | 1.6724158 | 8.4668214 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .79462186 | .18095773 |
| NOFKW | 7.5928974 | 17.251806 |
| INCOME | .40592438E-03 | .10414152E-02 |
| ETH1 | 7.1216410 | 7.2170189 |
| OCCUP | .51282046 | 1.0818492 |
| SEX | -.25080129 | 4.4837227 |
| NOOCCUP | -1.2686392 | 9.9344806 |
| ENTAGE | -.15639364 | .65202898 |
| ETH2 | -7.8208160 | 8.2688124 |
| LANG | 12.011956 | 11.305959 |
| NOINC | .23138317 | 10.351561 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .47726226 | .11407764 |
| NOFKW | 3.5805039 | 10.875718 |
| INCOME | .23996542E-03 | .65651903E-03 |
| ETH1 | .13724054 | 4.5496840 |
| OCCUP | .38323497E-01 | .68200904 |
| SEX | .17713602 | 2.8265856 |
| NOOCCUP | .41751297 | 6.2628002 |
| ENTAGE | .62280720E-01 | .41104587 |
| ETH2 | -1.6513856 | 5.2127456 |
| LANG | .38907590 | 7.1273945 |
| NOINC | -1.7621755 | 6.5257322 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .28600222 | .71190959E-01 |
| NOFKW | -1.8656645 | 6.7870689 |
| INCOME | .67811817E-04 | .40970534E-03 |
| ETH1 | 2.5141492 | 2.8392624 |
| OCCUP | .17265501 | .42561256 |
| SEX | -1.0141623 | 1.7639507 |
| NOOCCUP | -.20650116 | 3.9083447 |
| ENTAGE | -.15763973 | .25651608 |
| ETH2 | -1.5263022 | 3.2530507 |
| LANG | 4.0401850 | 4.4479009 |
| NOINC | -.96786645 | 4.0724293 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .18764073 | .41409736E-01 |
| NOFKW | -2.6316465 | 3.9478430 |
| INCOME | .58893116E-04 | .23831382E-03 |
| ETH1 | 1.9031257 | 1.6515174 |
| OCCUP | .33751049E-01 | .24756660 |
| SEX | -1.1097201 | 1.0260394 |
| NOOCCUP | -2.3933833 | 2.2733718 |
| ENTAGE | -.68081556E-01 | .14920803 |
| ETH2 | -3.2291815 | 1.8922061 |
| LANG | .98319135 | 2.5872161 |
| NOINC | 1.9363137 | 2.3688151 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .13999588 | .77166711E-01 |
| NOFKW | -5.1028929 | 7.3567738 |
| INCOME | .38279487E-04 | .44409591E-03 |
| ETH1 | -1.7552566 | 3.0775895 |
| OCCUP | .20453137 | .46133838 |
| SEX | .53198831 | 1.9120163 |
| NOOCCUP | -.16300997 | 4.2364102 |
| ENTAGE | .11927452 | .27804798 |
| ETH2 | -1.8251867 | 3.5261110 |
| LANG | -.44312943 | 4.8212566 |
| NOINC | -1.0346221 | 4.4142680 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .34683349E-01 | .22150324E-01 |
| NOFKW | -1.3948815 | 2.1117256 |
| INCOME | -.39007577E-04 | .12747554E-03 |
| ETH1 | .33782326 | .88340687 |
| OCCUP | .56420036E-01 | .13242491 |
| SEX | -.30539731E-01 | .54883485 |
| NOOCCUP | -.20853400E-01 | 1.2160407 |
| ENTAGE | .17309705E-01 | .79812300E-01 |
| ETH2 | -.86069518 | 1.0121528 |
| LANG | .62807025 | 1.3839179 |
| NOINC | .22585191E-01 | 1.2670939 |

## Table C15-IIIK-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .29798738E-01 | .25505969E-01 |
| NOFKW | -1.2882438 | 2.4316398 |
| INCOME | -.40022529E-04 | .14678734E-03 |
| ETH1 | -1.1181484 | 1.0172379 |
| OCCUP | .27950591E-01 | .15248651 |
| SEX | -.70774189E-01 | .63198014 |
| NOOCCUP | .48296487 | 1.4002638 |
| ENTAGE | -.24299075E-02 | .91903400E-01 |
| ETH2 | -1.2138754 | 1.1654880 |
| LANG | -.25952385 | 1.5935735 |
| NOINC | .34661988 | 1.4590512 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .29280797 | .67521212E-01 |
| NOFKW | .84239338 | 6.4372095 |
| INCOME | .18026499E-03 | .38858587E-03 |
| ETH1 | 4.6093495 | 2.6929043 |
| OCCUP | .33548929 | .40367311 |
| SEX | -1.1888985 | 1.6730227 |
| NOOCCUP | -2.5743975 | 3.7068776 |
| ENTAGE | .23345308E-01 | .24329320 |
| ETH2 | -.20724743 | 3.0853627 |
| LANG | 3.3924453 | 4.2186208 |
| NOINC | 2.1908301 | 3.8625039 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .27176214 | .76374179E-01 |
| NOFKW | 1.8636521 | 7.2812169 |
| INCOME | .98264374E-04 | .43953487E-03 |
| ETH1 | 1.1304435 | 3.0459814 |
| OCCUP | .94550381E-01 | .45660025 |
| SEX | .70130000 | 1.8923792 |
| NOOCCUP | -1.1408391 | 4.1929006 |
| ENTAGE | -.77538787E-01 | .27519232 |
| ETH2 | -4.0350209 | 3.4898965 |
| LANG | 3.9314799 | 4.7717404 |
| NOINC | -.65260984E-01 | 4.3689318 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .10928626 | .31371890E-01 |
| NOFKW | -.33835418 | 2.9908738 |
| INCOME | .69845920E-04 | .18054583E-03 |
| ETH1 | .96092194 | 1.2511846 |
| OCCUP | .34680672E-01 | .18755570 |
| SEX | .26398298 | .77732436 |
| NOOCCUP | 1.4511892 | 1.7222996 |
| ENTAGE | -.47083835E-01 | .11303955 |
| ETH2 | -.95083920 | 1.4335296 |
| LANG | 1.5987789 | 1.9600671 |
| NOINC | -.80899360 | 1.7946071 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .46043567 | .90207318E-01 |
| NOFKW | 5.3211275 | 8.6000144 |
| INCOME | .30050528E-03 | .51914485E-03 |
| ETH1 | 1.3219190 | 3.5976794 |
| OCCUP | .24804741 | .53930117 |
| SEX | -2.2895766 | 2.2351330 |
| NOOCCUP | -.26637732 | 4.9523323 |
| ENTAGE | -.14492314 | .32503604 |
| ETH2 | .67956820 | 4.1219978 |
| LANG | -.53160125 | 5.6360135 |
| NOINC | -.51841429 | 5.1602468 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .29229798 | .65470340E-01 |
| NOFKW | 1.7742734 | 6.2416873 |
| INCOME | .13939349E-03 | .37678307E-03 |
| ETH1 | 3.2183403 | 2.6111107 |
| OCCUP | .23860926 | .39141205 |
| SEX | -.86466832 | 1.6222067 |
| NOOCCUP | -.99333952 | 3.5942858 |
| ENTAGE | -.36076133E-01 | .23590348 |
| ETH2 | -1.5063347 | 2.9916487 |
| LANG | 4.4372070 | 4.0904854 |
| NOINC | 1.3395973 | 3.7451852 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .23056174 | .61468539E-01 |
| NOFKW | 3.9549720 | 5.8601712 |
| INCOME | .16826652E-03 | .35375262E-03 |
| ETH1 | 2.7728572 | 2.4515095 |
| OCCUP | .17966081 | .36748743 |
| SEX | -.87432977E-01 | 1.5230512 |
| NOOCCUP | .86553941 | 3.3745892 |
| ENTAGE | -.42778721E-01 | .22148414 |
| ETH2 | -2.2794604 | 2.8087875 |
| LANG | 3.6432692 | 3.8404591 |
| NOINC | -1.0429532 | 3.5162650 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .17671596 | .55341651E-01 |
| NOFKW | -1.5273103 | 5.2760576 |
| INCOME | .17965897E-04 | .31849227E-03 |
| ETH1 | 1.5532273 | 2.2071549 |
| OCCUP | .13797434 | .33085805 |
| SEX | -1.2781453 | 1.3712408 |
| NOOCCUP | -1.6576903 | 3.0382264 |
| ENTAGE | -.11055589 | .19940767 |
| ETH2 | -.57546302 | 2.5288211 |
| LANG | 2.4414061 | 3.4576607 |
| NOINC | -.15887286 | 3.1657806 |

**COHORT III-K**
**Preschool Adjusted Study**

## Table C15-IIIK(PS)-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K PRESCHOOL ADJUSTED LOCAL ANALYSES FOR THE HOME-SCHOOL PARTNERSHIP MODEL

**CODE**

SEX = Sex
ENTAGE = Entry Age
INCOME = Income
NOOCCUP = Missing Occupation
OCCUP = Occupation
NOINC = Missing Income
ETH2 = White vs. Other
ETH1 = White vs. Black
LANG = First Language
PSSOME = Some Preschool
PSHS = Head Start
FKW = Fall Kindergarten WRAT
FKWHS = FKW x Head Start
FKWSOME = FKW x Some Preschool

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -3.1783457 | 3.8368942 |
| ENTAGE | -.67547328E-01 | .54457913 |
| INCOME | .57571738E-03 | .87148462E-03 |
| NOOCCUP | -1.9147649 | 7.6883473 |
| OCCUP | .71677715 | .95798795 |
| NOINC | 2.8299836 | 8.2552503 |
| ETH2 | -2.4983931 | 8.2452522 |
| ETH1 | 7.8293340 | 7.2284312 |
| LANG | 3.5280141 | 11.929768 |
| PSSOME | .12618201 | 12.675435 |
| PSHS | -9.6356748 | 12.741708 |
| FKW | .81060790 | .24348676 |
| FKWHS | .21092190 | .39290719 |
| FKWSOME | -.92025643E-01 | .30268223 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .15524286 | 4.5628743 |
| ENTAGE | -.32491876E-01 | .64761914 |
| INCOME | .49384691E-03 | .10363785E-02 |
| NOOCCUP | -1.3190919 | 9.1430671 |
| OCCUP | .53605708 | 1.1392492 |
| NOINC | .59224989 | 9.8172291 |
| ETH2 | -12.394873 | 9.8053392 |
| ETH1 | 10.805647 | 8.5961252 |
| LANG | 15.839260 | 14.187003 |
| PSSOME | -7.7213139 | 15.073759 |
| PSHS | -11.782353 | 15.152571 |
| FKW | .70276877 | .28955698 |
| FKWHS | .16755320 | .40724929 |
| FKWSOME | .97782120E-01 | .43130546 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .16153503 | 2.9848895 |
| ENTAGE | .54073364E-01 | .42365217 |
| INCOME | .29407647E-03 | .67796639E-03 |
| NOOCCUP | -.59923872 | 5.9811050 |
| OCCUP | -.19505484E-01 | .74526115 |
| NOINC | -.85691646 | 6.4221240 |
| ETH2 | -4.5249093 | 6.4143460 |
| ETH1 | -.17954779 | 5.0233160 |
| LANG | .74228371 | 9.2806934 |
| PSSOME | -4.0175526 | 9.8607811 |
| PSHS | -11.109980 | 9.9123374 |
| FKW | .52986481 | .18941911 |
| FKWHS | .21230362 | .30565986 |
| FKWSOME | -.22311199E-01 | .28214653 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.34363291 | 1.7960485 |
| ENTAGE | -.73913020E-01 | .55491725 |
| INCOME | .54509897E-04 | .40794157E-03 |
| NOOCCUP | -.88505929E-01 | 3.5989120 |
| OCCUP | .29904681 | .44843374 |
| NOINC | .73626392 | 3.8642791 |
| ETH2 | -3.3948090 | 3.8595989 |
| ETH1 | 6.3189256 | 3.3836255 |
| LANG | 7.3149983 | 5.5843191 |
| PSSOME | -.13487519 | 5.9333657 |
| PSHS | -2.7696550 | 5.9643878 |
| FKW | .28323163 | .11397605 |
| FKWHS | .12386502 | .18391968 |
| FKWSOME | -.29982728E-01 | .16977139 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.1528472 | 1.0203277 |
| ENTAGE | -.63912069E-01 | .14481743 |
| INCOME | .86671663E-04 | .23174990E-03 |
| NOOCCUP | -2.2618895 | 2.0445269 |
| OCCUP | .18022557E-01 | .25475334 |
| NOINC | 2.3149941 | 2.1952808 |
| ETH2 | -3.0589931 | 2.1926270 |
| ETH1 | 2.5235944 | 1.9222235 |
| LANG | 1.1500065 | 3.1724284 |
| PSSOME | .53723262 | 3.3707203 |
| PSHS | -2.4738325 | 3.3883438 |
| FKW | .16985174 | .64749317E-01 |
| FKWHS | .78678499E-01 | .10448400 |
| FKWSOME | -.58681882E-02 | .96446420E-01 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .94946922 | 2.0639231 |
| ENTAGE | .12745770 | .29293731 |
| INCOME | .37333312E-04 | .46878469E-03 |
| NOOCCUP | .56394317 | 4.1356777 |
| OCCUP | .24835998 | .51531613 |
| NOINC | -1.2111762 | 4.4406234 |
| ETH2 | -2.1570280 | 4.4352452 |
| ETH1 | -.48167068 | 3.8882819 |
| LANG | .42473994 | 6.4172016 |
| PSSOME | 3.4742661 | 6.8183073 |
| PSHS | -.30237438 | 6.8539543 |
| FKW | .21275064 | .13097519 |
| FKWHS | -.30229363E-01 | .21135069 |
| FKWSOME | -.12996330 | .19509223 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.29550707 | .55789672 |
| ENTAGE | .38484704E-01 | .79183481E-01 |
| INCOME | -.55530761E-04 | .12671654E-03 |
| NOOCCUP | .20945376 | 1.1179093 |
| OCCUP | .49205950E-01 | .13929439 |
| NOINC | -.64602175E-01 | 1.2003388 |
| ETH2 | -.69599053 | 1.1988850 |
| ETH1 | .64810211E-01 | 1.0510361 |
| LANG | .47857844 | 1.7346249 |
| PSSOME | -.17572069 | 1.6430472 |
| PSHS | .95528922 | 1.6526835 |
| FKW | .41955760E-01 | .35403724E-01 |
| FKWHS | -.29706455E-01 | .57129913E-01 |
| FKWSOME | .12008819E-01 | .52735112E-01 |

Table C15-IIIK(PS)-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .13672514 | .67434286 |
| ENTAGE | .14810229E-01 | .95711019E-01 |
| INCOME | -.52319575E-04 | .15316540E-03 |
| NOOCCUP | .42665615 | 1.3512445 |
| OCCUP | .79603368E-01 | .16836856 |
| NOINC | .54325347 | 1.4508790 |
| ETH2 | -1.4333940 | 1.4491218 |
| ETH1 | -.88662944 | 1.2704132 |
| LANG | .36915082 | 2.0966837 |
| PSSOME | -.40039610E-01 | 2.2277365 |
| PSHS | -1.4875282 | 2.2393840 |
| FKW | .18094635E-01 | .42793351E-01 |
| FKWHS | .57497494E-01 | .69054330E-01 |
| FKWSOME | -.25822116E-02 | .63742225E-01 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.74917881 | 1.7412245 |
| ENTAGE | .97557970E-02 | .24713596 |
| INCOME | .23281513E-03 | .39548924E-03 |
| NOOCCUP | -2.0566972 | 3.4890559 |
| OCCUP | .43101578 | .43474539 |
| NOINC | 2.1851705 | 3.7463227 |
| ETH2 | -.27528636E-01 | 3.7417855 |
| ETH1 | 5.[illegible]330714 | 3.2803410 |
| LANG | 2.6122511 | 5.4138589 |
| PSSOME | .27322935 | 5.7522509 |
| PSHS | -4.7852096 | 5.7823261 |
| FKW | .28730438 | .11049695 |
| FKWHS | .11713016 | .17630557 |
| FKWSOME | -.24134586E-01 | .16458916 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .85762635 | 1.9953695 |
| ENTAGE | -.59511502E-02 | .28320734 |
| INCOME | .11617483E-03 | .45321392E-03 |
| NOOCCUP | -.95242911 | 3.9983104 |
| OCCUP | .17224301E-01 | .49819981 |
| NOINC | .54346173E-01 | 4.2931272 |
| ETH2 | -5.8385637 | 4.2879277 |
| ETH1 | 2.6278372 | 3.7591319 |
| LANG | 4.6284063 | 6.2040530 |
| PSSOME | -5.1610160 | 6.5918359 |
| PSHS | -6.2544182 | 6.0263008 |
| FKW | .19744659 | .12662483 |
| FKWHS | .12511304 | .20433064 |
| FKWSOME | .11630204 | .18861220 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .35631497 | .85139707 |
| ENTAGE | -.[illegible]0426182E-01 | .12084073 |
| INCOME | .58017847E-04 | .19338022E-03 |
| NOOCCUP | 1.3754032 | 1.7060247 |
| OCCUP | .45212088E-01 | .21257509 |
| NOINC | -.65480188 | 1.0318191 |
| ETH2 | -1.1607653 | 1.8296005 |
| ETH1 | 1.2900907 | 1.6039705 |
| LANG | 2.2768874 | 2.0471851 |
| PSSOME | -1.9133516 | 2.0126468 |
| PSHS | -2.5471460 | 2.8273525 |
| FKW | .88774625E-01 | .54029094E-01 |
| FKWHS | .78139290E-01 | .87185106E-01 |
| FKWSOME | .46074517E-01 | .80478265E-01 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -2.4291669 | 2.3396928 |
| ENTAGE | -.77303125E-01 | .33207793 |
| INCOME | .34290225E-03 | .53142104E-03 |
| NOOCCUP | .14193225 | 4.6882635 |
| OCCUP | .28576137 | .58416975 |
| NOINC | .64481312 | 5.0339543 |
| ETH2 | -2.4608645 | 5.0278575 |
| ETH1 | 2.4962626 | 4.4078121 |
| LANG | .91576291 | 7.2746316 |
| PSSOME | -.14704733 | 7.7293308 |
| PSHS | -4.8504652 | 7.7697430 |
| FKW | .52330353 | .14847536 |
| FKWHS | .93791744E-01 | .23959017 |
| FKWSOME | -.67891057E-01 | .22115935 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.61463673 | 1.6792020 |
| ENTAGE | -.10407254E-01 | .23833296 |
| INCOME | .16761964E-03 | .38140189E-03 |
| NOOCCUP | -1.1496297 | 3.3647756 |
| OCCUP | .29639413 | .41925973 |
| NOINC | 1.3927702 | 3.6128785 |
| ETH2 | -3.3122317 | 3.6085078 |
| ETH1 | 4.0131304 | 3.1634951 |
| LANG | 6.3966602 | 5.2210169 |
| PSSOME | -2.0130807 | 5.5473554 |
| PSHS | -5.0066042 | 5.5763593 |
| FKW | .28023114 | .10656104 |
| FKWHS | .77738349E-01 | .17195432 |
| FKWSOME | -.21770801E-02 | .15872648 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.87746768E-01 | 1.5073721 |
| ENTAGE | -.16133472E-01 | .21394475 |
| INCOME | .21005243E-03 | .34237368E-03 |
| NOOCCUP | .78296682 | 3.0204638 |
| OCCUP | .22243866 | .37635760 |
| NOINC | -.85486650 | 3.2431788 |
| ETH2 | -3.2440777 | 3.2392509 |
| ETH1 | 4.1646790 | 2.8397800 |
| LANG | 4.8141935 | 4.6867501 |
| PSSOME | -.60721726 | 4.9797039 |
| PSHS | -.52133096 | 5.0057399 |
| FKW | .22509104 | .95656833E-01 |
| FKWHS | -.35298194E-01 | .15435852 |
| FKWSOME | -.16042838E-01 | .14240427 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.69994788 | 1.3580811 |
| ENTAGE | -.33487437E-01 | .19275554 |
| INCOME | -.35079500E-05 | .30846479E-03 |
| NOOCCUP | -1.4639091 | 2.7213153 |
| OCCUP | .25383472 | .33908292 |
| NOINC | 1.3910658 | 2.9219725 |
| ETH2 | -2.2341237 | 2.9184336 |
| ETH1 | 5.0288349 | 2.5585266 |
| LANG | 5.0381109 | 4.2225798 |
| PSSOME | 1.7784764 | 4.4805112 |
| PSHS | -.22250900 | 4.5099685 |
| FKW | .19445701 | .86182956E-01 |
| FKWHS | .45725730E-01 | .13907077 |
| FKWSOME | -.76057245E-01 | .12837255 |

## Table C15-IIIK(PS)-26

## TREATMENT REGRESSION COEFFICIENTS AND STANDARD ERRORS BY OUTCOME FOR HEAD START STUDIES OF COHORT III-K SITES IN THE HOME SCHOOL PARTNERSHIP MODEL

| | New York, NY | |
|---|---|---|
| | Pooled | Local |
| **Word Knowledge** | | |
| b | -3.11 | -3.68 |
| Standard Error | 1.63 | 3.72 |
| **Spelling** | | |
| b | -1.69 | 3.67 |
| Standard Error | 2.21 | 4.74 |
| **Language** | | |
| b | -3.17* | -2.70 |
| Standard Error | 1.40 | 2.85 |
| **Math Computations** | | |
| b | 2.26 | 1.13 |
| Standard Error | 1.53 | 3.17 |
| **Raven's** | | |
| b | -2.22** | -2.18 |
| Standard Error | .75 | 1.62 |
| **Reading** | | |
| b | -1.82 | -2.08 |
| Standard Error | 1.27 | 2.77 |
| **Math Concepts** | | |
| b | - .43 | -1.02 |
| Standard Error | 1.27 | 2.67 |
| **Math Problem Solving** | | |
| b | 1.22 | .98 |
| Standard Error | 1.09 | 2.39 |
| **Coopersmith** | | |
| b | -2.86 | -2.97 |
| Standard Error | 1.85 | 3.28 |
| **IARS (-)** | | |
| b | - .08 | .07 |
| Standard Error | .52 | 1.07 |
| **IARS (+)** | | |
| b | - .43 | - .84 |
| Standard Error | .41 | .89 |
| **Total Reading** | | |
| b | -4.93 | -5.76 |
| Standard Error | 2.68 | 6.09 |
| **Total Math** | | |
| b | 3.05 | 1.09 |
| Standard Error | 3.53 | 7.25 |
| **Language Part A** | | |
| b | - .70 | - 58 |
| Standard Error | .65 | 1.35 |
| **Language Part B** | | |
| b | -2.41* | -2.11 |
| Standard Error | 1.01 | 2.16 |

* $P < .05$

** $P < .01$

Table C15-IIIK(PS)-27

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR HOME SCHOOL PARTNERSHIP MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 11 | 9 | 8 | 28 | 37 | 43 | 73 | 153 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 33.82 | 45.00 | 29.38 | 36.14 | 31.32 | 34.28 | 27.11 | 30.14 |
| STANDARD DEVIATION | 13.10 | 9.03 | 12.88 | 13.14 | 11.78 | 13.19 | 11.87 | 12.54 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.30 | 14.12 | 14.40 | 14.14 | 13.28 | 14.38 | 14.80 | 14.05 |
| STANDARD DEVIATION | 2.18 | 2.03 | 2.19 | 2.03 | 1.71 | 2.39 | 1.86 | 1.99 |
| NUMBER | 9 | 8 | 5 | 22 | 18 | 8 | 15 | 41 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 5588.89 | 4300.00 | 4960.00 | 5045.00 | 5811.76 | 7016.33 | 6024.75 | 6091.29 |
| STANDARD DEVIATION | 1934.84 | 1242.58 | 2106.66 | 1798.38 | 1775.49 | 2590.61 | 2977.47 | 2351.65 |
| MEDIAN | 5200.00 | 4300.00 | 5525.00 | 5100.00 | 5700.00 | 5300.00 | 6200.00 | 5766.33 |
| NUMBER | 9 | 6 | 5 | 20 | 17 | 6 | 12 | 35 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.33 | 25.00 | 14.29 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.33 | 2.74 | 1.96 |
| PERCENT BLACK | 100.00 | 100.00 | 100.00 | 100.00 | 72.97 | 90.70 | 90.41 | 86.27 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 45.45 | 44.44 | 50.00 | 46.43 | 45.95 | 55.81 | 47.95 | 49.67 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.52 | 64.70 | 62.78 | 63.69 | 62.51 | 64.05 | 62.61 | 62.99 |
| STANDARD DEVIATION | 3.53 | 3.25 | 4.65 | 3.74 | 3.64 | 3.92 | 3.39 | 3.64 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 75.68 | 95.35 | 90.41 | 88.24 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.55 | 11.83 | 11.77 | 11.71 | 10.59 | 11.41 | 9.83 | 10.48 |
| STANDARD DEVIATION | 2.72 | 1.10 | 1.12 | 1.78 | 2.32 | 3.52 | 3.66 | 3.06 |
| NUMBER | 7 | 7 | 5 | 19 | 19 | 8 | 15 | 42 |
| PERCENT HS GRAD | 57.14 | 42.86 | 40.00 | 47.37 | 26.32 | 50.00 | 26.67 | 30.95 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 40.00 | 37.50 | 80.00 | 47.83 | 47.37 | 0.00 | 26.67 | 30.95 |
| NUMBER | 10 | 8 | 5 | 23 | 19 | 8 | 15 | 42 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 39.29 | 100.00 | 0.00 | 0.00 | 24.18 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 32.14 | 0.00 | 100.00 | 0.00 | 28.10 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 28.57 | 0.00 | 0.00 | 100.00 | 47.71 |

## Table C15-IIIK(PS)-28

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR HOME SCHOOL PARTNERSHIP MODEL IN NEW YORK, NY

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 11 | 9 | 8 | 28 | 37 | 43 | 73 | 153 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 33.82 | 45.00 | 29.38 | 36.14 | 31.32 | 34.28 | 27.11 | 30.14 |
| STANDARD DEVIATION | 13.10 | 9.03 | 12.88 | 13.14 | 11.78 | 13.19 | 11.87 | 12.54 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.00 | 14.12 | 14.40 | 14.14 | 13.28 | 14.38 | 14.60 | 14.05 |
| STANDARD DEVIATION | 2.18 | 2.03 | 2.19 | 2.03 | 1.71 | 2.39 | 1.86 | 1.99 |
| NUMBER | 9 | 8 | 5 | 22 | 18 | 8 | 15 | 41 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 5588.89 | 4300.00 | 4960.00 | 5045.00 | 5811.76 | 7016.33 | 6024.75 | 6091.29 |
| STANDARD DEVIATION | 1934.84 | 1242.58 | 2106.66 | 1798.38 | 1775.49 | 2590.61 | 2977.47 | 2351.65 |
| MEDIAN | 5200.00 | 4300.00 | 5525.00 | 5100.00 | 5700.00 | 5300.00 | 6200.00 | 5766.33 |
| NUMBER | 9 | 6 | 5 | 20 | 17 | 6 | 12 | 35 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.33 | 25.00 | 14.29 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.33 | 2.74 | 1.96 |
| PERCENT BLACK | 100.00 | 100.00 | 100.00 | 100.00 | 72.97 | 90.70 | 90.41 | 86.27 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 45.45 | 44.44 | 50.00 | 46.43 | 45.95 | 55.81 | 47.95 | 49.67 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.52 | 64.70 | 62.78 | 63.69 | 62.51 | 64.05 | 62.61 | 62.99 |
| STANDARD DEVIATION | 3.53 | 3.25 | 4.65 | 3.74 | 3.64 | 3.92 | 3.39 | 3.64 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 75.68 | 95.35 | 90.41 | 88.24 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.55 | 11.83 | 11.77 | 11.71 | 10.59 | 11.41 | 9.83 | 10.48 |
| STANDARD DEVIATION | 2.72 | 1.10 | 1.12 | 1.78 | 2.32 | 3.52 | 3.66 | 3.06 |
| NUMBER | 7 | 7 | 5 | 19 | 19 | 8 | 15 | 42 |
| PERCENT HS GRAD | 57.14 | 42.86 | 40.00 | 47.37 | 26.32 | 50.00 | 26.67 | 30.95 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 40.00 | 37.50 | 80.00 | 47.83 | 47.37 | 0.00 | 26.67 | 30.95 |
| NUMBER | 10 | 8 | 5 | 23 | 19 | 8 | 15 | 42 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 39.29 | 100.00 | 0.00 | 0.00 | 24.18 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 32.14 | 0.00 | 100.00 | 0.00 | 28.10 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 28.57 | 0.00 | 0.00 | 100.00 | 47.71 |

## Table C15-IIIK(PS)-29

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR HOME SCHOOL PARTNERSHIP MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 11 | 9 | 8 | 28 | 37 | 43 | 73 | 153 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 26.09 | 27.33 | 21.50 | 25.18 | 26.24 | 27.33 | 26.63 | 26.73 |
| STANDARD DEVIATION | 12.57 | 8.96 | 9.74 | 10.62 | 10.87 | 10.21 | 10.50 | 10.45 |
| SPELLING | | | | | | | | |
| MEAN | 23.09 | 25.44 | 19.75 | 22.89 | 22.24 | 22.72 | 24.26 | 23.34 |
| STANDARD DEVIATION | 14.36 | 12.90 | 14.95 | 13.74 | 13.27 | 12.12 | 12.34 | 12.46 |
| LANGUAGE | | | | | | | | |
| MEAN | 16.55 | 15.56 | 14.87 | 15.75 | 18.54 | 17.37 | 16.12 | 17.06 |
| STANDARD DEVIATION | 8.81 | 6.39 | 8.89 | 7.86 | 7.84 | 8.01 | 7.19 | 7.60 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 19.91 | 25.22 | 19.12 | 21.39 | 18.27 | 18.70 | 18.89 | 18.69 |
| STANDARD DEVIATION | 10.59 | 8.51 | 8.81 | 9.51 | 7.94 | 8.20 | 7.01 | 7.54 |
| RAVENS | | | | | | | | |
| MEAN | 14.73 | 18.22 | 14.87 | 15.89 | 18.32 | 17.81 | 16.59 | 17.35 |
| STANDARD DEVIATION | 5.64 | 2.39 | 5.06 | 4.77 | 5.17 | 4.35 | 4.12 | 4.49 |
| READING | | | | | | | | |
| MEAN | 20.82 | 21.33 | 15.37 | 19.43 | 19.14 | 21.21 | 20.11 | 20.18 |
| STANDARD DEVIATION | 8.89 | 5.94 | 6.67 | 7.62 | 7.41 | 7.87 | 7.36 | 7.51 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 17.00 | 19.11 | 15.87 | 17.36 | 15.62 | 17.40 | 17.53 | 17.03 |
| STANDARD DEVIATION | 8.97 | 7.52 | 8.48 | 8.18 | 7.18 | 7.32 | 6.50 | 6.90 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 16.09 | 16.44 | 12.25 | 15.11 | 12.54 | 13.77 | 13.64 | 13.41 |
| STANDARD DEVIATION | 6.95 | 5.00 | 5.60 | 6.07 | 6.26 | 6.35 | 5.79 | 6.04 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.64 | 38.22 | 31.50 | 34.89 | 37.24 | 37.16 | 37.41 | 37.30 |
| STANDARD DEVIATION | 9.94 | 8.42 | 12.36 | 10.22 | 6.22 | 7.80 | 7.02 | 7.03 |
| IARS(-) | | | | | | | | |
| MEAN | 11.64 | 11.44 | 9.88 | 11.07 | 11.24 | 11.12 | 11.26 | 11.22 |
| STANDARD DEVIATION | 2.58 | 3.17 | 2.75 | 2.83 | 2.78 | 2.08 | 2.51 | 2.45 |
| IARS(+) | | | | | | | | |
| MEAN | 13.36 | 14.33 | 11.88 | 13.25 | 13.57 | 13.93 | 13.63 | 13.70 |
| STANDARD DEVIATION | 1.69 | 2.29 | 2.53 | 2.29 | 2.13 | 2.18 | 1.83 | 2.00 |
| TOTAL READING | | | | | | | | |
| MEAN | 46.91 | 48.67 | 36.88 | 44.61 | 45.38 | 48.53 | 46.74 | 46.91 |
| STANDARD DEVIATION | 20.75 | 13.34 | 15.32 | 17.28 | 17.48 | 17.24 | 17.24 | 17.22 |
| TOTAL MATH | | | | | | | | |
| MEAN | 53.00 | 60.78 | 47.25 | 53.86 | 46.43 | 49.86 | 50.07 | 49.13 |
| STANDARD DEVIATION | 24.59 | 20.03 | 22.05 | 22.32 | 19.56 | 19.88 | 16.82 | 18.33 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 8.45 | 8.56 | 6.00 | 7.79 | 7.73 | 8.12 | 8.03 | 7.98 |
| STANDARD DEVIATION | 3.24 | 4.45 | 3.63 | 3.80 | 3.52 | 3.36 | 3.26 | 3.33 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.09 | 7.00 | 8.88 | 7.96 | 10.81 | 9.26 | 8.10 | 9.08 |
| STANDARD DEVIATION | 6.14 | 3.24 | 5.82 | 5.14 | 5.84 | 6.05 | 5.08 | 5.62 |

## Table C15-IIIK(PS)-30

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR HOME SCHOOL PARTNERSHIP MODEL IN NEW YORK, NY

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 11 | 9 | 8 | 28 | 37 | 43 | 73 | 153 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 26.09 | 27.33 | 21.50 | 25.18 | 26.24 | 27.33 | 26.63 | 26.73 |
| STANDARD DEVIATION | 12.57 | 8.96 | 9.74 | 10.62 | 10.87 | 10.21 | 10.50 | 10.45 |
| SPELLING | | | | | | | | |
| MEAN | 23.09 | 25.44 | 19.75 | 22.89 | 22.24 | 22.72 | 24.26 | 23.34 |
| STANDARD DEVIATION | 14.36 | 12.90 | 14.95 | 13.74 | 13.27 | 12.12 | 12.34 | 12.46 |
| LANGUAGE | | | | | | | | |
| MEAN | 16.55 | 15.56 | 14.87 | 15.75 | 18.54 | 17.37 | 16.12 | 17.06 |
| STANDARD DEVIATION | 8.81 | 6.39 | 8.89 | 7.86 | 7.84 | 8.01 | 7.19 | 7.60 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 19.91 | 25.22 | 19.12 | 21.39 | 18.27 | 18.70 | 18.89 | 18.69 |
| STANDARD DEVIATION | 10.59 | 8.51 | 8.81 | 9.51 | 7.94 | 8.20 | 7.01 | 7.54 |
| RAVENS | | | | | | | | |
| MEAN | 14.73 | 18.22 | 14.87 | 15.89 | 18.32 | 17.81 | 16.59 | 17.35 |
| STANDARD DEVIATION | 5.64 | 2.39 | 5.06 | 4.77 | 5.17 | 4.35 | 4.12 | 4.49 |
| READING | | | | | | | | |
| MEAN | 20.82 | 21.33 | 15.37 | 19.43 | 19.14 | 21.21 | 20.11 | 20.18 |
| STANDARD DEVIATION | 8.89 | 5.94 | 6.67 | 7.62 | 7.41 | 7.87 | 7.36 | 7.51 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 17.00 | 19.11 | 15.87 | 17.36 | 15.62 | 17.40 | 17.53 | 17.03 |
| STANDARD DEVIATION | 8.97 | 7.52 | 8.48 | 8.18 | 7.18 | 7.32 | 6.50 | 6.90 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 16.09 | 16.44 | 12.25 | 15.11 | 12.54 | 13.77 | 13.64 | 13.41 |
| STANDARD DEVIATION | 6.95 | 5.00 | 5.60 | 6.07 | 6.26 | 6.35 | 5.79 | 6.04 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.64 | 38.22 | 31.50 | 34.89 | 37.24 | 37.16 | 37.41 | 37.30 |
| STANDARD DEVIATION | 9.94 | 8.42 | 12.36 | 10.22 | 6.22 | 7.80 | 7.02 | 7.03 |
| TARS(-) | | | | | | | | |
| MEAN | 11.64 | 11.44 | 9.88 | 11.07 | 11.24 | 11.12 | 11.26 | 11.22 |
| STANDARD DEVIATION | 2.58 | 3.17 | 2.75 | 2.83 | 2.78 | 2.08 | 2.51 | 2.45 |
| TARS(+) | | | | | | | | |
| MEAN | 13.36 | 14.33 | 11.88 | 13.25 | 13.57 | 13.93 | 13.63 | 13.70 |
| STANDARD DEVIATION | 1.69 | 2.29 | 2.53 | 2.29 | 2.13 | 2.18 | 1.83 | 2.00 |
| TOTAL READING | | | | | | | | |
| MEAN | 46.91 | 48.67 | 36.88 | 44.61 | 45.38 | 48.53 | 46.74 | 46.91 |
| STANDARD DEVIATION | 20.75 | 13.34 | 15.32 | 17.28 | 17.48 | 17.24 | 17.24 | 17.22 |
| TOTAL MATH | | | | | | | | |
| MEAN | 53.00 | 60.78 | 47.25 | 53.86 | 46.43 | 49.86 | 50.07 | 49.13 |
| STANDARD DEVIATION | 24.59 | 20.03 | 22.05 | 22.32 | 19.56 | 19.88 | 16.82 | 18.33 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 8.45 | 8.56 | 6.00 | 7.79 | 7.73 | 8.12 | 8.03 | 7.98 |
| STANDARD DEVIATION | 3.24 | 4.45 | 3.63 | 3.80 | 3.52 | 3.36 | 3.26 | 3.33 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.09 | 7.00 | 8.88 | 7.96 | 10.81 | 9.26 | 8.10 | 9.08 |
| STANDARD DEVIATION | 6.14 | 3.24 | 5.82 | 5.14 | 5.84 | 6.05 | 5.08 | 5.62 |

**COHORT III-K STUDY**
**Non-Preschool Adjusted**

# APPENDIX TABLES
# for
# VOLUME IV-B

## CHAPTER SIXTEEN
## CALIFORNIA PROCESS MODEL

### Table C16-IIIK-1

### ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT III KINDERGARTEN SITES IN THE CAL PROCESS MODEL

| | | LOS ANGELES, CA | | | RAVENSWOOD, CA | | | OAKLAND, CA | | | SAN JOSE, CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT Local | Best Match | FT | NFT Local | Best Match | FT | NFT Local | Best Match | FT | NFT Local | Best Match |
| AMERICAN INDIAN | Percent<br>Number | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 8.3<br>1 | 0.0<br>0 |
| BLACK | Percent<br>Number | 100.0<br>96 | 83.3<br>35 | 53.9<br>7 | 97.5<br>39 | 83.3<br>15 | 100.0<br>22 | 100.0<br>49 | 100.0<br>54 | 100.0<br>49 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 |
| ORIENTAL | Percent<br>Number | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 5.6<br>1 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 2.7<br>1 |
| MEXICAN AMERICAN | Percent<br>Number | 0.0<br>0 | 14.3<br>6 | 15.4<br>2 | 0.0<br>0 | 5.6<br>1 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 94.6<br>35 | 58.3<br>7 | 86.5<br>32 |
| PUERTO RICAN | Percent<br>Number | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 5.4<br>2 |
| OTHER SPANISH SURNAME | Percent<br>Number | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 5.6<br>1 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 |
| WHITE | Percent<br>Number | 0.0<br>0 | 0.0<br>0 | 30.8<br>4 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 5.4<br>2 | 33.3<br>4 | 2.7<br>1 |
| OTHER | Percent<br>Number | 0.0<br>0 | 2.4<br>1 | 0.0<br>0 | 2.5<br>1 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 0.0<br>0 | 2.7<br>1 |
| BEST MATCHED SITE | | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

1429

Table C16-IIIK-2

## DISTRIBUTION OF BACKGROUND VARIABLES
## COHORT III KINDERGARTEN CHILDREN
## FOR THE CALIFORNIA PROCESS MODEL

| | SPONSOR'S SITES | | | LOS ANGELES, CA | | | RAVENSWOOD, CA | | | OAKLAND, CA | | | SAN JOSE, CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE Number | — | — | — | 96 | 42 | 13 | 40 | 18 | 22 | 49 | — | 49 | 37 | 12 | 37 |
| FALL KINDERGARTEN WRAT Mean Score | 33.2 | 32.4 | — | 42.0 | 30.1 | 37.5 | 29.7 | 30.3 | 27.6 | 32.1 | — | 30.3 | 29.1 | 36.8 | 32.8 |
| PERCENT WITH PRESCHOOL | 88 | 35 | — | 82 | 54 | 62 | 94 | 17 | 62 | 89 | — | 61 | 86 | 33 | 45 |
| Number Responding | — | — | — | 95 | 35 | 13 | 34 | 12 | 21 | 47 | — | 36 | 37 | 12 | 31 |
| CHILDREN'S ETHNICITY | | | | | | | | | | | | | | | |
| Percent Black | 74 | 56 | — | 100 | 83 | 54 | 98 | 83 | 100 | 100 | — | 100 | 0 | 0 | 0 |
| Percent White | 1 | 11 | — | 0 | 0 | 31 | 0 | 0 | 0 | 0 | — | 0 | 5 | 33 | 3 |
| Percent Other | 24 | 33 | — | 0 | 17 | 15 | 3 | 17 | 0 | 0 | — | 0 | 95 | 67 | 97 |
| MEDIAN FAMILY INCOME | 4063 | 5022 | — | 4950 | 3767 | 5000 | 4250 | 4500 | 3800 | 3750 | — | 2500 | 3300 | 6800 | 4450 |
| Number Responding | — | — | — | 35 | 34 | 10 | 27 | 10 | 21 | 22 | — | 31 | 18 | 11 | 29 |
| MOTHER'S EDUCATION | | | | | | | | | | | | | | | |
| Percent H.S. Graduates | 57 | 51 | — | 76 | 44 | 50 | 60 | 40 | 21 | 68 | — | 47 | 22 | 70 | 16 |
| Number Responding | — | — | — | 34 | 32 | 10 | 25 | 10 | 14 | 22 | — | 30 | 18 | 10 | 31 |
| FEMALE HEADS OF HOUSEHOLD Percent | 40 | 35 | — | 38 | 57 | 33 | 33 | 30 | 29 | 57 | — | 71 | 33 | 17 | 29 |
| BEST MATCHED SITE | | | | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

Table C16-IIIK-3

### TEACHER BACKGROUND CHARACTERISTICS FOR COHORT III-K SITES IN CAL PROCESS MODEL

| | Los Angeles, CA | | Ravenswood, CA | | Oakland, CA | | San Jose, CA | |
|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| YEARS OF ELEMENTARY TEACHING EXPERIENCE | | | | | | | | |
| Mean | 8.21 | 9.53 | 15.33 | 4.00 | 11.55 | * | 9.66 | 18.33 |
| Standard Deviation | 4.90 | 5.69 | 6.80 | 0 | 6.52 | * | 6.91 | 2.08 |
| N | 14 | 13 | 3 | 1 | 9 | * | 6 | 3 |
| YEARS IN SCHOOL | | | | | | | | |
| Mean | 6.60 | 5.84 | 6.33 | 3.00 | 5.88 | * | 5.66 | 6.66 |
| Standard Deviation | 3.18 | 3.99 | 4.04 | 0 | 3.58 | * | 2.16 | 4.61 |
| N | 15 | 13 | 3 | 1 | 9 | * | 6 | 3 |
| YEARS IN MODEL | | | | | | | | |
| Mean | 2.78 | 0.50 | 2.66 | 0 | 3.44 | * | 2.33 | 0.50 |
| Standard Deviation | 1.18 | 0 | 0.57 | 0 | 1.50 | * | 0.51 | 0 |
| N | 14 | 1 | 3 | 0 | 9 | * | 6 | 1 |
| TEACHER'S EDUCATION | | | | | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 |
| % with B.A. | 46.7 | 15.4 | 66.7 | 0 | 0 | * | 33.3 | 33.3 |
| % Some Graduate | 40.0 | 53.8 | 33.3 | 100.0 | 88.9 | * | 50.0 | 33.3 |
| % M.A. or More | 13.3 | 30.8 | 0 | 0 | 11.1 | * | 16.7 | 33.3 |
| N | 15 | 13 | 3 | 1 | 9 | * | 6 | 3 |
| TEACHER'S CERTIFICATION | | | | | | | | |
| % None | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 |
| % Temporary | 0 | 0 | 0 | 0 | 0 | * | 16.7 | 0 |
| % Renewable/Permanent | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | * | 83.4 | 100.0 |
| N | 14 | 10 | 3 | 1 | 9 | * | 6 | 3 |
| TEACHER'S ETHNICITY | | | | | | | | |
| % White | 33.3 | 66.7 | 66.7 | 0 | 33.3 | * | 83.3 | 100.0 |
| % Black | 60.0 | 33.3 | 33.3 | 100.0 | 55.6 | * | 0 | 0 |
| % Spanish Surname | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 |
| % Other | 6.7 | 0 | 0 | 0 | 11.1 | * | 16.7 | 0 |
| N | 15 | 12 | 3 | 1 | 9 | * | 6 | 3 |
| AGE IN YEARS | | | | | | | | |
| Mean | 35.93 | 35.33 | 40.00 | 27.00 | 36.75 | * | 35.16 | 51.00 |
| Standard Deviation | 10.76 | 9.89 | 5.56 | 0 | 4.62 | * | 6.33 | 4.00 |
| N | 15 | 12 | 3 | 1 | 8 | * | 6 | 3 |

*There were no NFT teachers in Oakland, CA.

## Table C16-IIIK-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1975) FOR THE COHORT III KINDERGARTEN SITES IN THE CALIFORNIA PROCESS MODEL

| | SPONSOR'S SITES | | | LOS ANGELES, CA | | | RAVENSWOOD, CA | | | OAKLAND, CA | | | SAN JOSE, CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| TEACHER CENTERED | 51.7 | 50.9 | — | 46.4 | 44.7 | 53.3 | 57.5 | 53.3 | 54.7 | 53.7 | — | 51.1 | 49.0 | 54.7 | 51.1 |
| Number | 4 | 3 | — | 15 | 13 | 2 | 3 | 1 | 3 | 9 | — | 14 | 6 | 3 | 12 |
| Local Mean Difference | — | — | — | — | — | — | 4.3 | — | — | 8.1 | — | — | -5.7 | — | — |
| Best Match Mean Difference | — | — | — | -6.8 | — | — | 2.8 | — | — | 2.6 | — | — | — | — | — |
| FLEXIBLE CLASSROOM | 50.9 | 54.0 | — | 60.1 | 47.8 | 40.4 | 44.1 | 55.2 | 46.6 | 53.5 | — | 42.8 | 45.9 | 58.9 | 49.3 |
| Number | 4 | 3 | — | 15 | 13 | 2 | 3 | 1 | 3 | 9 | — | 14 | 6 | 3 | 12 |
| Local Mean Difference | -3.0 | — | — | 12.3 | — | — | -11.1 | — | — | -8.3 | — | — | -12.9 | — | — |
| Best Match Mean Difference | — | — | — | 19.7 | — | — | — | — | — | 10.8 | — | — | -3.4 | — | — |
| INDIVIDUALIZATION | 53.5 | 50.5 | — | 62.0 | 54.8 | 43.8 | 45.3 | 48.4 | 43.8 | 55.1 | — | 44.1 | 51.5 | 48.4 | 53.1 |
| Number | 4 | 3 | — | 15 | 13 | 2 | 3 | 1 | 3 | 9 | — | 14 | 6 | 3 | 12 |
| Local Mean Difference | 3.0 | — | — | 7.2 | — | — | -3.1 | — | — | -3.5 | — | — | 3.1 | — | — |
| Best Match Mean Difference | — | — | — | 18.2 | — | — | — | — | — | 11.0 | — | — | — | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 49.9 | 48.2 | — | 48.1 | 51.6 | 45.8 | 52.5 | — | 43.6 | 56.1 | — | 50.9 | 43.0 | 44.7 | 54.5 |
| Number | 4 | 2 | — | 15 | 11 | 2 | 3 | 0 | 3 | 8 | — | 14 | 6 | 3 | 12 |
| Local Mean Difference | — | — | — | -3.6 | — | — | — | — | — | 7.5 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 9.0 | — | — | 5.3 | — | — | -11.5 | — | — |
| SATISFACTION WITH SPONSOR | 56.2 | 46.6 | — | 63.4 | 44.7 | 52.7 | 51.5 | — | 44.3 | 59.5 | — | 45.6 | 50.6 | 48.5 | 53.7 |
| Number | 4 | 2 | — | 15 | 6 | 2 | 3 | 0 | 2 | 9 | — | 8 | 6 | 1 | 2 |
| Local Mean Difference | 9.7 | — | — | 18.7 | — | — | — | — | — | 3.5 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 10.7 | — | — | 7.3 | — | — | 13.9 | — | — | -3.1 | — | — |
| BEST MATCHED SITE | | | | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

## Table C16-IIIK-5

### STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1975) FOR THE COHORT III KINDERGARTEN SITES IN THE CALIFORNIA PROCESS MODEL

| | SPONSOR'S SITES | | | LOS ANGELES, CA | | | RAVENSWOOD, CA | | | OAKLAND, CA | | | SAN JOSE, CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 49.8 | 47.1 | — | 50.9 | 46.5 | 52.2 | 47.4 | 45.9 | 41.9 | 48.7 | — | 46.4 | 52.0 | 48.8 | 51.5 |
| Number | 4 | 3 | — | 30 | 29 | 12 | 23 | 13 | 22 | 20 | — | 29 | 14 | 12 | 37 |
| Local Mean Difference | 2.7 | — | — | 4.3 | — | — | — | — | — | — | — | — | 3.2 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 5.5 | — | — | — | — | — | — | — | — |
| SCHOOL HELPED CHILD | 50.5 | 48.3 | — | 54.2 | 47.6 | 47.6 | 43.8 | 42.9 | 48.6 | 51.5 | — | 48.0 | 52.6 | 54.4 | 48.6 |
| Number | 4 | 3 | — | 30 | 29 | 12 | 23 | 13 | 22 | 20 | — | 29 | 14 | 12 | 37 |
| Local Mean Difference | — | — | — | 6.6 | — | — | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 6.6 | — | — | -4.8 | — | — | 3.5 | — | — | 3.9 | — | — |
| BAC INVOLVEMENT | 54.7 | 47.0 | — | 57.7 | 48.2 | 45.9 | 53.3 | 45.9 | 45.3 | 59.4 | — | 43.9 | 48.5 | 47.1 | 49.9 |
| Number | 4 | 3 | — | 29 | 28 | 11 | 23 | 13 | 22 | 19 | — | 25 | 12 | 11 | 31 |
| Local Mean Difference | 7.7 | — | — | 9.5 | — | — | 7.4 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 11.9 | — | — | 8.0 | — | — | 15.5 | — | — | — | — | — |
| CHILD READS AT HOME | 51.0 | 50.7 | — | 52.4 | 49.5 | 45.7 | 54.3 | 52.7 | 52.0 | 51.6 | — | 52.9 | 45.5 | 49.8 | 51.7 |
| Number | 4 | 3 | — | 30 | 29 | 12 | 23 | 13 | 22 | 20 | — | 29 | 14 | 12 | 37 |
| Local Mean Difference | — | — | — | 2.9 | — | — | — | — | — | — | — | — | -4.3 | — | — |
| Best Match Mean Difference | — | — | — | 6.8 | — | — | — | — | — | — | — | — | -6.2 | — | — |
| CHILD'S PROG IN SCHOOL | 51.3 | 49.8 | — | 57.6 | 48.1 | 53.0 | 45.3 | 49.0 | 47.4 | 51.4 | — | 45.9 | 51.0 | 52.4 | 51.9 |
| Number | 4 | 3 | — | 30 | 29 | 12 | 23 | 13 | 22 | 20 | — | 29 | 14 | 12 | 37 |
| Local Mean Difference | — | — | — | 9.5 | — | — | -3.7 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 4.5 | — | — | — | — | — | 5.4 | — | — | — | — | — |
| CHILD READ TO AT HOME | 51.2 | 51.0 | — | 53.8 | 53.3 | 40.5 | 52.7 | 51.5 | 50.0 | 53.0 | — | 52.2 | 45.2 | 48.3 | 49.0 |
| Number | 4 | 3 | — | 30 | 29 | 12 | 23 | 13 | 22 | 20 | — | 29 | 14 | 12 | 37 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — | -3.1 | — | — |
| Best Match Mean Difference | — | — | — | 13.4 | — | — | 2.7 | — | — | — | — | — | -3.7 | — | — |
| PARENT VISITS TO SCHOOL | 51.5 | 48.5 | — | 51.9 | 48.2 | 44.6 | 50.0 | 48.5 | 52.8 | 52.1 | — | 50.6 | 52.0 | 48.9 | 54.2 |
| Number | 4 | 3 | — | 30 | 29 | 12 | 23 | 13 | 22 | 20 | — | 29 | 14 | 12 | 37 |
| Local Mean Difference | 2.9 | — | — | 3.7 | — | — | — | — | — | — | — | — | 3.1 | — | — |
| Best Match Mean Difference | — | — | — | 7.2 | — | — | -2.9 | — | — | — | — | — | — | — | — |
| CHILD'S EMOT ADJUST | 53.0 | 48.6 | — | 55.7 | 55.7 | 48.3 | 46.0 | 44.8 | 48.5 | 53.9 | — | 51.7 | 56.6 | 45.3 | 51.2 |
| Number | 4 | 3 | — | 30 | 29 | 12 | 23 | 13 | 22 | 20 | — | 29 | 14 | 12 | 37 |
| Local Mean Difference | 4.5 | — | — | — | — | — | — | — | — | — | — | — | 11.3 | — | — |
| Best Match Mean Difference | — | — | — | 7.3 | — | — | — | — | — | — | — | — | 5.3 | — | — |
| SCH HELPED WITH CHILD | 54.4 | 47.2 | — | 56.7 | 49.4 | 47.3 | 47.9 | 44.4 | 44.8 | 54.5 | — | 48.3 | 58.5 | 47.8 | 49.9 |
| Number | 4 | 3 | — | 30 | 29 | 12 | 23 | 13 | 22 | 20 | — | 29 | 14 | 12 | 37 |
| Local Mean Difference | 7.2 | — | — | 7.3 | — | — | 3.5 | — | — | — | — | — | 10.8 | — | — |
| Best Match Mean Difference | — | — | — | 9.4 | — | — | 3.1 | — | — | 6.3 | — | — | 8.6 | — | — |
| SCHOOL'S RECEPTIVITY | 53.0 | 49.3 | — | 54.4 | 50.5 | 49.9 | 53.9 | 49.8 | 50.1 | 53.1 | — | 48.9 | 50.5 | 47.5 | 48.3 |
| Number | 4 | 3 | — | 30 | 29 | 12 | 23 | 13 | 22 | 20 | — | 29 | 14 | 12 | 37 |
| Local Mean Difference | 3.7 | — | — | 3.9 | — | — | 4.1 | — | — | — | — | — | 3.0 | — | — |
| Best Match Mean Difference | — | — | — | 4.5 | — | — | 3.8 | — | — | 4.2 | — | — | — | — | — |
| PARENT LOCUS | 50.7 | 51.4 | — | 46.4 | 53.5 | 49.9 | 53.2 | 50.7 | 50.3 | 54.8 | — | 53.4 | 48.5 | 49.8 | 57.0 |
| Number | 4 | 3 | — | 30 | 29 | 12 | 23 | 13 | 22 | 20 | — | 29 | 14 | 12 | 37 |
| Local Mean Difference | — | — | — | -7.1 | — | — | 2.5 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -3.5 | — | — | 2.9 | — | — | — | — | — | -8.4 | — | — |
| SCH HELPED PERSONALLY | 52.7 | 47.4 | — | 55.5 | 51.3 | 47.8 | 50.7 | 45.7 | 48.8 | 52.2 | — | 47.4 | 52.2 | 45.3 | 51.2 |
| Number | 4 | 3 | — | 30 | 29 | 12 | 23 | 13 | 22 | 20 | — | 29 | 14 | 12 | 37 |
| Local Mean Difference | 5.2 | — | — | 4.2 | — | — | 5.0 | — | — | — | — | — | 6.9 | — | — |
| Best Match Mean Difference | — | — | — | 7.7 | — | — | — | — | — | 4.9 | — | — | — | — | — |
| PARENT-CHILD INTERACTION | 51.4 | 50.0 | — | 52.3 | 47.1 | 46.2 | 50.2 | 53.7 | 46.7 | 54.9 | — | 46.6 | 48.2 | 49.2 | 49.9 |
| Number | 4 | 3 | — | 30 | 29 | 12 | 23 | 13 | 22 | 20 | — | 29 | 14 | 12 | 37 |
| Local Mean Difference | — | — | — | 5.2 | — | — | -3.5 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 6.1 | — | — | 3.5 | — | — | 8.3 | — | — | — | — | — |
| BEST MATCHED SITE | | | | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

### Table C16-IIIK-6

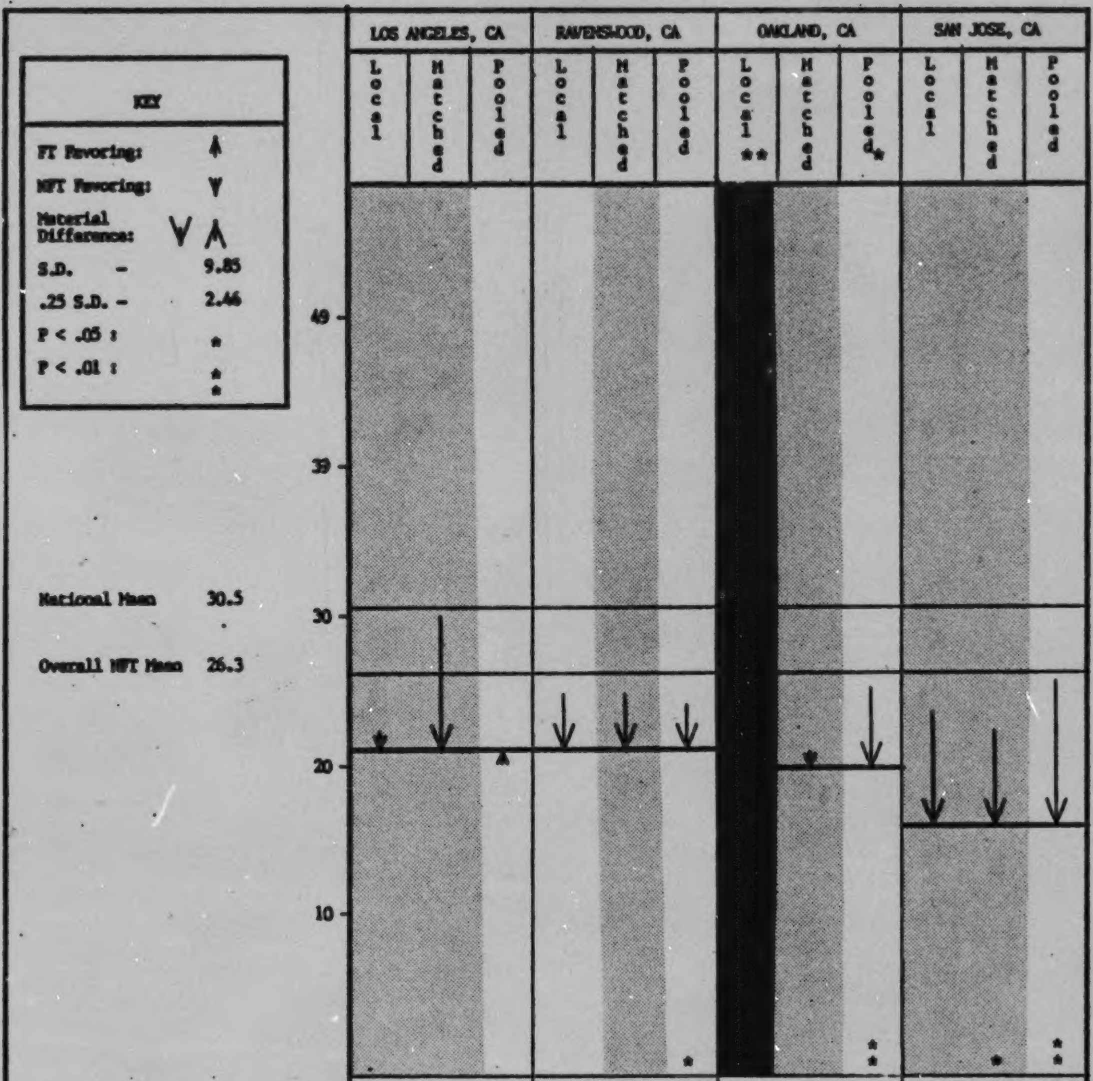
### PROPORTION OF ATTRITION AND DESCRIPTIVE INFORMATION FOR CAL PROCESS MODEL

| | | Los Angeles, CA | | Ravenswood, CA | | Oakland, CA | | San Jose, CA | |
|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| NUMBER | | | | | | | | | |
| Total Registration | N | 254 | 140 | 150 | 166 | 197 | 158 | 229 | 61 |
| Children Retained (Analytic Sample) | N | 96 | 42 | 40 | 18 | 49 | 0 | 37 | 12 |
| Children Not Retained (Program and Sample Attrition) | N | 158 | 98 | 110 | 148 | 148 | 158 | 192 | 49 |
| | %* | 62 | 70 | 73 | 89 | 75 | 100 | 84 | 80 |
| Children Not Retained (Sample Attrition) | N | 17 | 4 | 21 | 30 | 41 | 99 | 17 | 6 |
| | %* | 7 | 3 | 14 | 18 | 21 | 63 | 7 | 10 |
| WRAT | | | | | | | | | |
| Total Registration | Mean | 37.6 | 30.6 | 28.8 | 29.9 | 30.0 | 28.3 | 30.2 | 33.3 |
| | Standard Deviation | 12.4 | 11.8 | 10.4 | 13.4 | 27.7 | 11.6 | 12.6 | 12.8 |
| | Number | 238 | 124 | 146 | 160 | 183 | 144 | 203 | 50 |
| Children Retained (Analytic Sample) | Mean | 42.0 | 30.0 | 29.6 | 30.3 | 32.1 | | 29.1 | 36.8 |
| | Standard Deviation | 11.2 | 11.3 | 9.7 | 13.1 | 12.7 | | 10.8 | 11.9 |
| | Number | 95 | 40 | 40 | 18 | 49 | | 33 | 12 |
| Children Not Retained (Program and Sample Attrition) | Mean | 34.7 | 30.8 | 28.4 | 29.9 | 29.3 | 28.3 | 30.5 | 32.2 |
| | Standard Deviation | 12.4 | 12.1 | 10.7 | 13.5 | 12.6 | 11.6 | 12.9 | 13.1 |
| | Number | 143 | 84 | 106 | 142 | 134 | 144 | 170 | 38 |
| Children Not Retained (Sample Attrition) | Mean | 34.8 | 16.0 | 25.2 | 29.5 | 27.2 | 28.0 | 31.4 | 41.5 |
| | Standard Deviation | 15.0 | 6.5 | 11.1 | 13.7 | 13.0 | 10.7 | 14.5 | 13.1 |
| | Number | 17 | 4 | 21 | 30 | 41 | 99 | 17 | 6 |
| INCOME | | | | | | | | | |
| Total Registration | Mean | 5070 | 4134 | 4248 | 5577 | 4306 | 4461 | 4941 | 5907 |
| | Standard Deviation | 2699 | 2557 | 2220 | 2805 | 2594 | 2529 | 2820 | 3055 |
| | Number | 98 | 102 | 99 | 92 | 97 | 107 | 83 | 53 |
| Children Retained (Analytic Sample) | Mean | 5371 | 4344 | 4344 | 5280 | 4050 | | 4206 | 5554 |
| | Standard Deviation | 2659 | 2612 | 2327 | 2613 | 2161 | | 2589 | 3017 |
| | Number | 35 | 34 | 27 | 10 | 22 | | 18 | 11 |
| Children Not Retained (Program and Sample Attrition) | Mean | 4903 | 4029 | 4212 | 5613 | 4381 | 4461 | 5145 | 6000 |
| | Standard Deviation | 2727 | 2541 | 2194 | 2841 | 2717 | 2529 | 2867 | 3094 |
| | Number | 63 | 68 | 72 | 82 | 75 | 107 | 65 | 42 |
| Children Not Retained (Sample Attrition) | Mean | 3800 | 3733 | 3838 | 5426 | 3927 | 4114 | 4970 | 6083 |
| | Standard Deviation | 1823 | 2136 | 2250 | 2972 | 2584 | 2409 | 2670 | 4080 |
| | Number | 4 | 3 | 13 | 19 | 22 | 69 | 10 | 6 |

*Percent of Total Registration.

## Table C16-IIIK-7

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT WORD KNOWLEDGE FOR COHORT III KINDERGARTEN SITES IN THE CALIFORNIA PROCESS MODEL



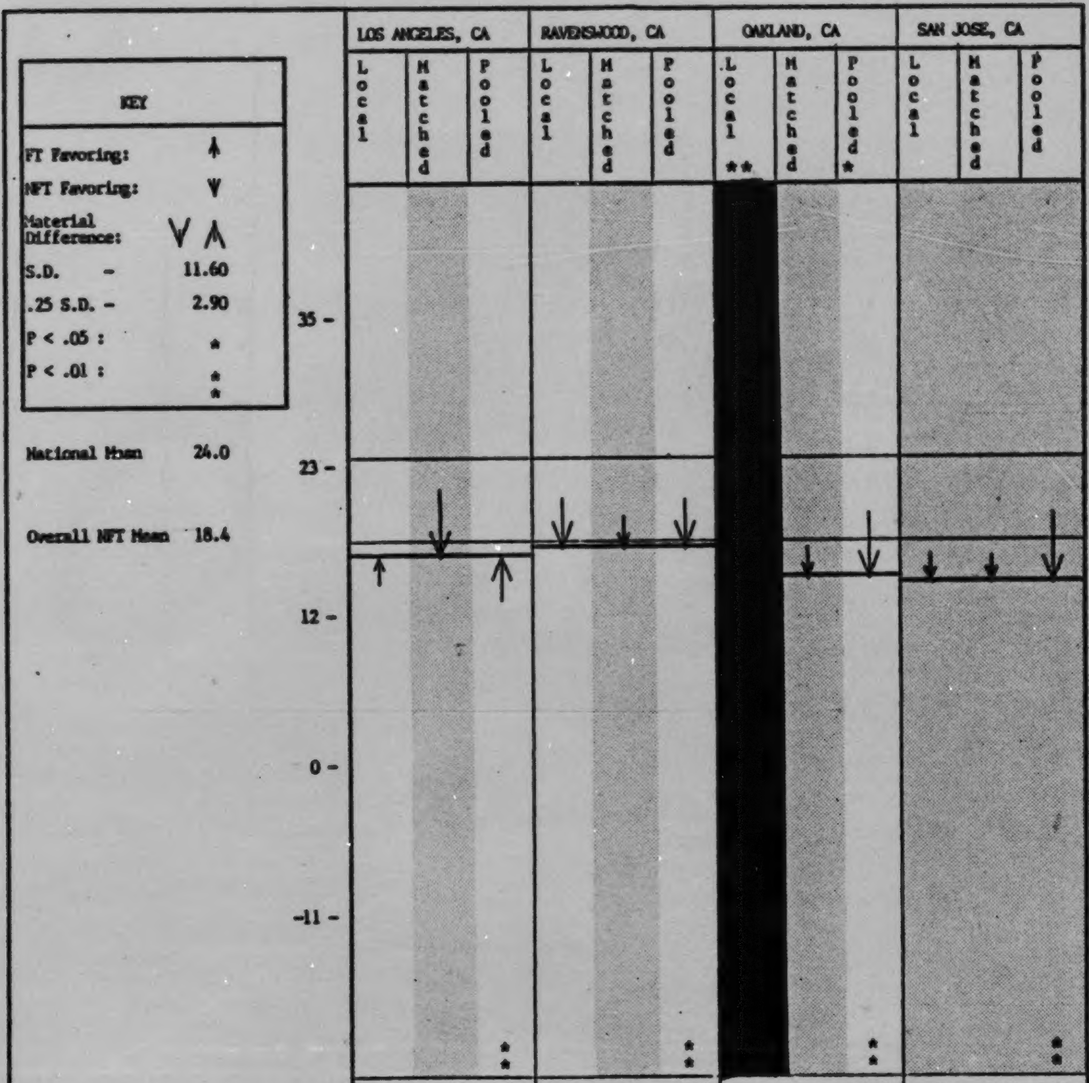
| | LOS ANGELES, CA | | | RAVENSWOOD, CA | | | OAKLAND, CA | | | SAN JOSE, CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local ** | Matched | Pooled * | Local | Matched | Pooled |
| Magnitude of Effect | -1.21 | -8.73 | 0.66 | -3.57 | -3.57 | -2.85 | — | -0.27 | -5.15 | -7.49 | -6.32 | -9.55 |
| Standard Error | 2.36 | 6.44 | 0.89 | 3.19 | 2.93 | 1.19 | — | 2.56 | 1.28 | 4.22 | 3.09 | 1.33 |
| FT Mean | 21.15 | | | 21.05 | | | 19.84 | | | 15.89 | | |
| No. of FT Children | 96 | | | 40 | | | 49 | | | 37 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

** No FT/NFT comparison computed due to lack of local NFT group.

* No test for size of adjustment due to lack of local NFT group.

## Table C16-IIIK-8

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT SPELLING FOR COHORT III KINDERGARTEN SITES IN THE CALIFORNIA PROCESS MODEL



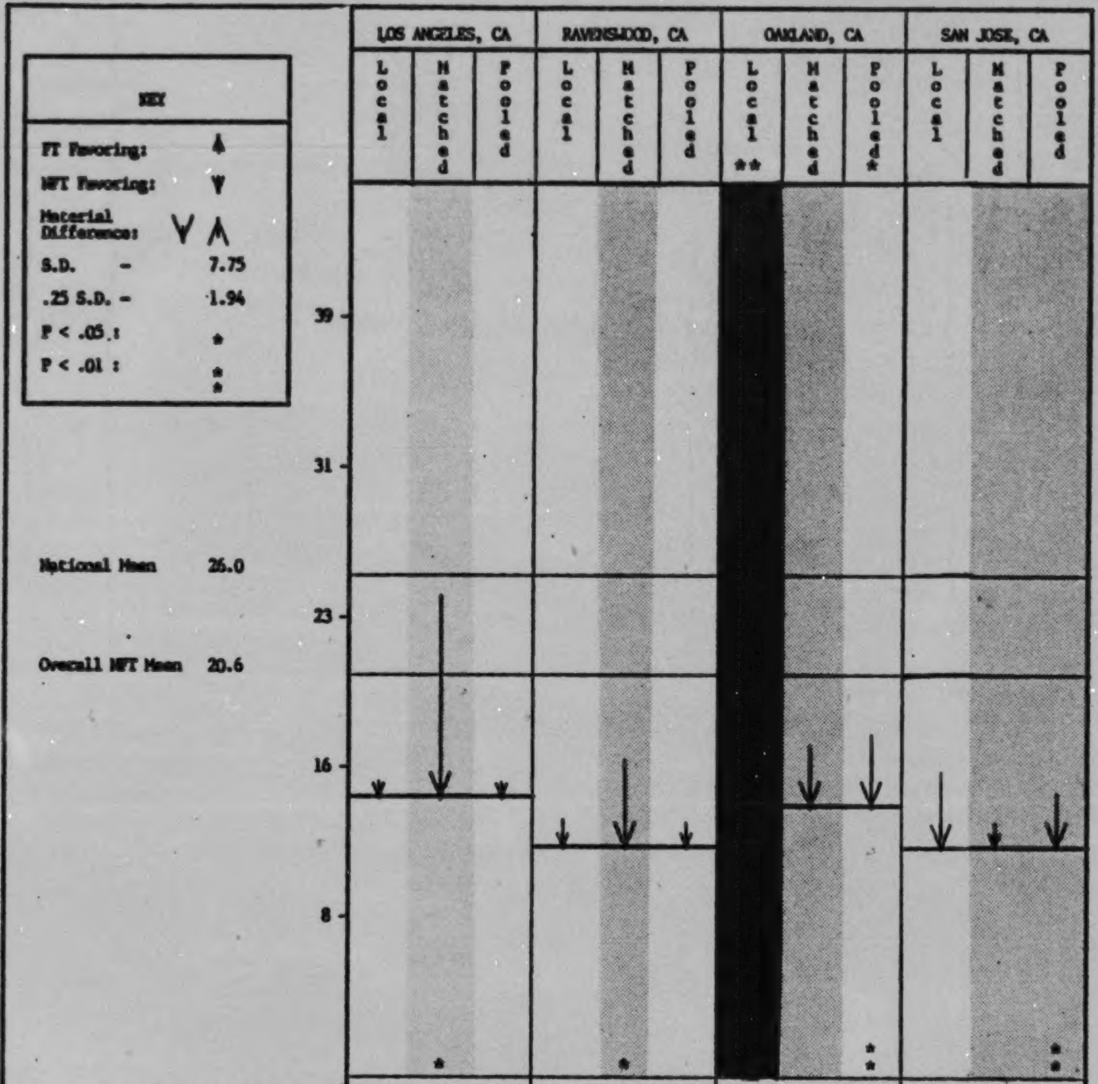
| | LOS ANGELES, CA | | | RAVENSWOOD, CA | | | OAKLAND, CA | | | SAN JOSE, CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local ** | Matched | Pooled * | Local | Matched | Pooled |
| Magnitude of Effect | 2.33 | -5.02 | 3.61 | -3.85 | -2.28 | -3.69 | — | -2.44 | -5.09 | -2.07 | -1.83 | -5.43 |
| Standard Error | 2.81 | 7.66 | 1.06 | 3.81 | 3.29 | 1.40 | — | 3.44 | 1.57 | 5.04 | 3.77 | 1.48 |
| FT Mean | 16.74 | | | 17.28 | | | 14.88 | | | 14.54 | | |
| No. of FT Children | 96 | | | 40 | | | 49 | | | 37 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

** No FT/NFT comparison computed due to lack of local NFT group.

* No test for size of adjustment due to lack of local NFT group.

## Table C16-IIIK-9

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE FOR COHORT III KINDERGARTEN SITES IN THE CALIFORNIA PROCESS MODEL



| | LOS ANGELES, CA | | | RAVENSWOOD, CA | | | OAKLAND, CA | | | SAN JOSE, CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.14 | -10.55 | -0.53 | -1.37 | -4.56 | -1.21 | — | -3.21 | -3.75 | -4.05 | -1.22 | -2.85 |
| Standard Error | 1.55 | 4.93 | 0.63 | 2.10 | 1.97 | 0.65 | — | 2.07 | 0.82 | 2.78 | 1.43 | 0.61 |
| FT Mean | 14.14 | | | 11.63 | | | 13.69 | | | 11.57 | | |
| No. of FT Children | 96 | | | 40 | | | 49 | | | 37 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

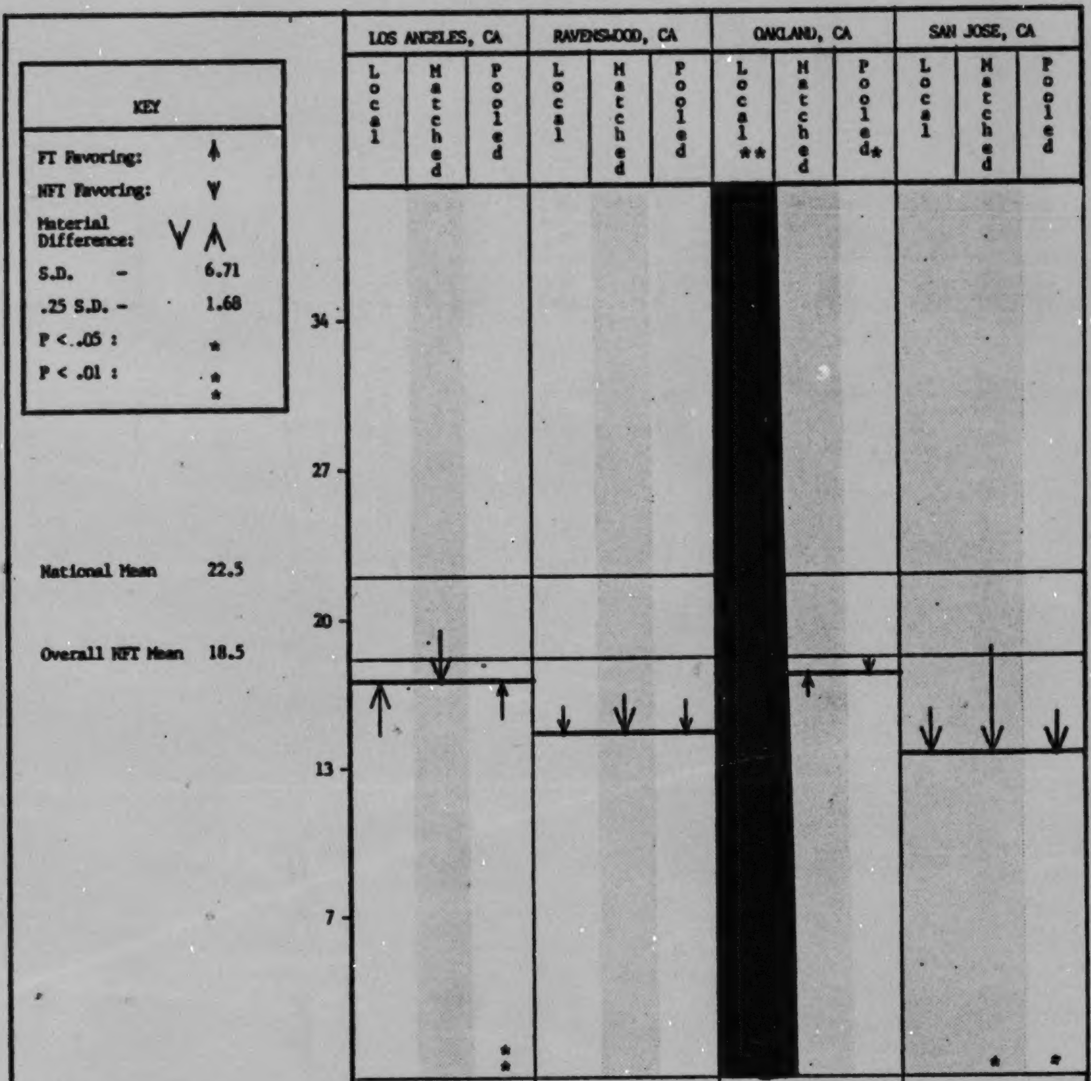
** No FT/NFT comparison computed due to lack of local NFT group.

* No test for size of adjustment due to lack of local NFT group.

**COHORT III-K STUDY**
**Non-Preschool Adjusted**

## Table C16-IIIK-10

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT III KINDERGARTEN SITES IN THE CALIFORNIA PROCESS MODEL



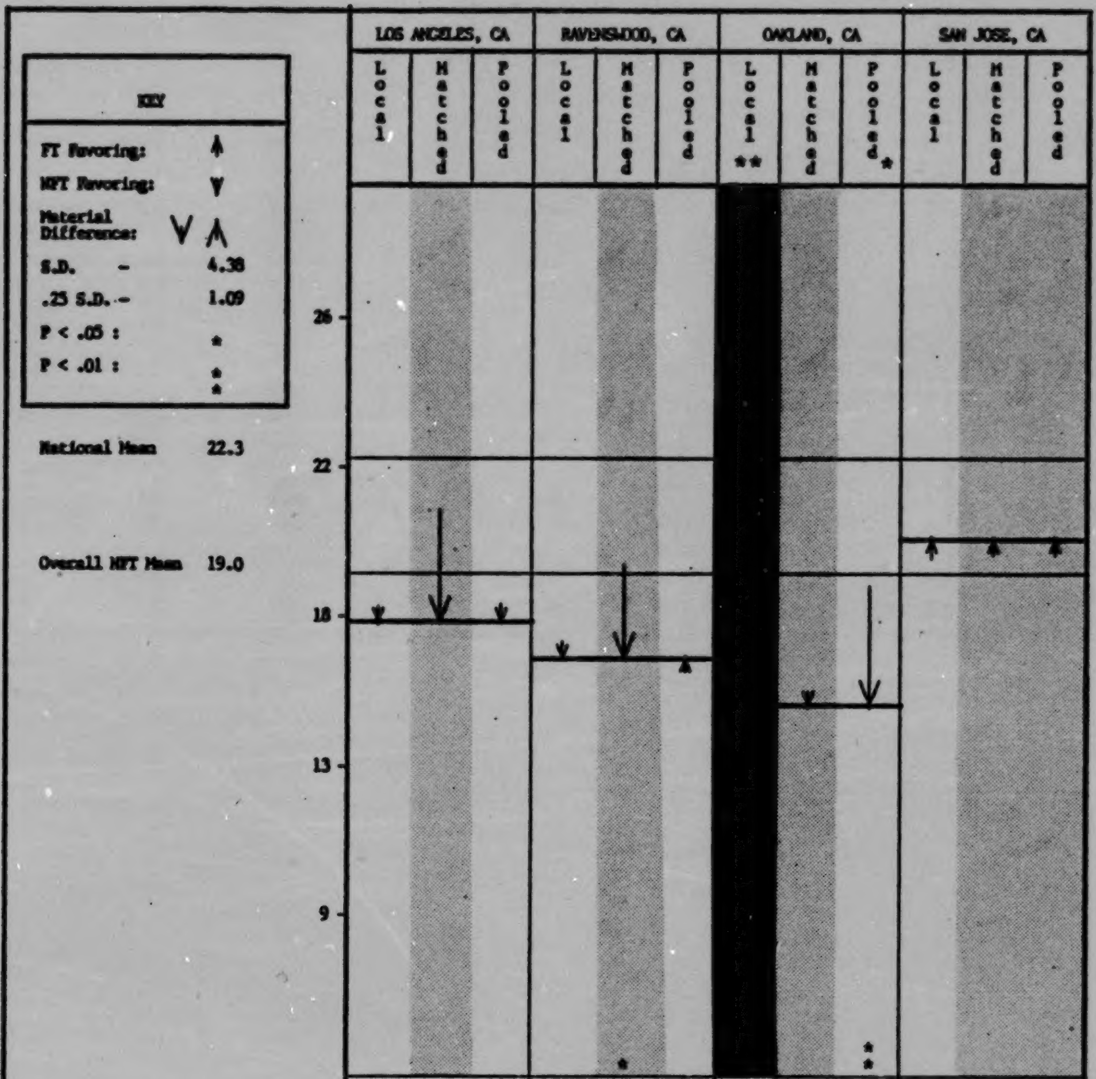
| | LOS ANGELES, CA | | | RAVENSWOOD, CA | | | OAKLAND, CA | | | SAN JOSE, CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local** | Matched | Pooled* | Local | Matched | Pooled |
| Magnitude of Effect | 2.44 | -2.30 | 1.61 | -1.24 | -1.69 | -1.49 | — | 1.02 | -0.58 | -1.94 | -4.84 | -2.28 |
| Standard Error | 1.66 | 4.52 | 0.59 | 2.24 | 1.80 | 0.93 | — | 1.88 | 0.79 | 2.97 | 2.31 | 0.89 |
| FT Mean | 17.50 | | | 15.13 | | | 17.69 | | | 14.14 | | |
| No. of FT Children | 96 | | | 40 | | | 49 | | | 37 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

** No FT/NFT comparison computed due to lack of local NFT group.

* No test for size of adjustment due to lack of local NFT group.

## Table C16-IIIK-11

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE RAVEN S PROGRESSIVE MATRICES FOR COHORT III KINDERGARTEN SITES IN THE CALIFORNIA PROCESS MODEL



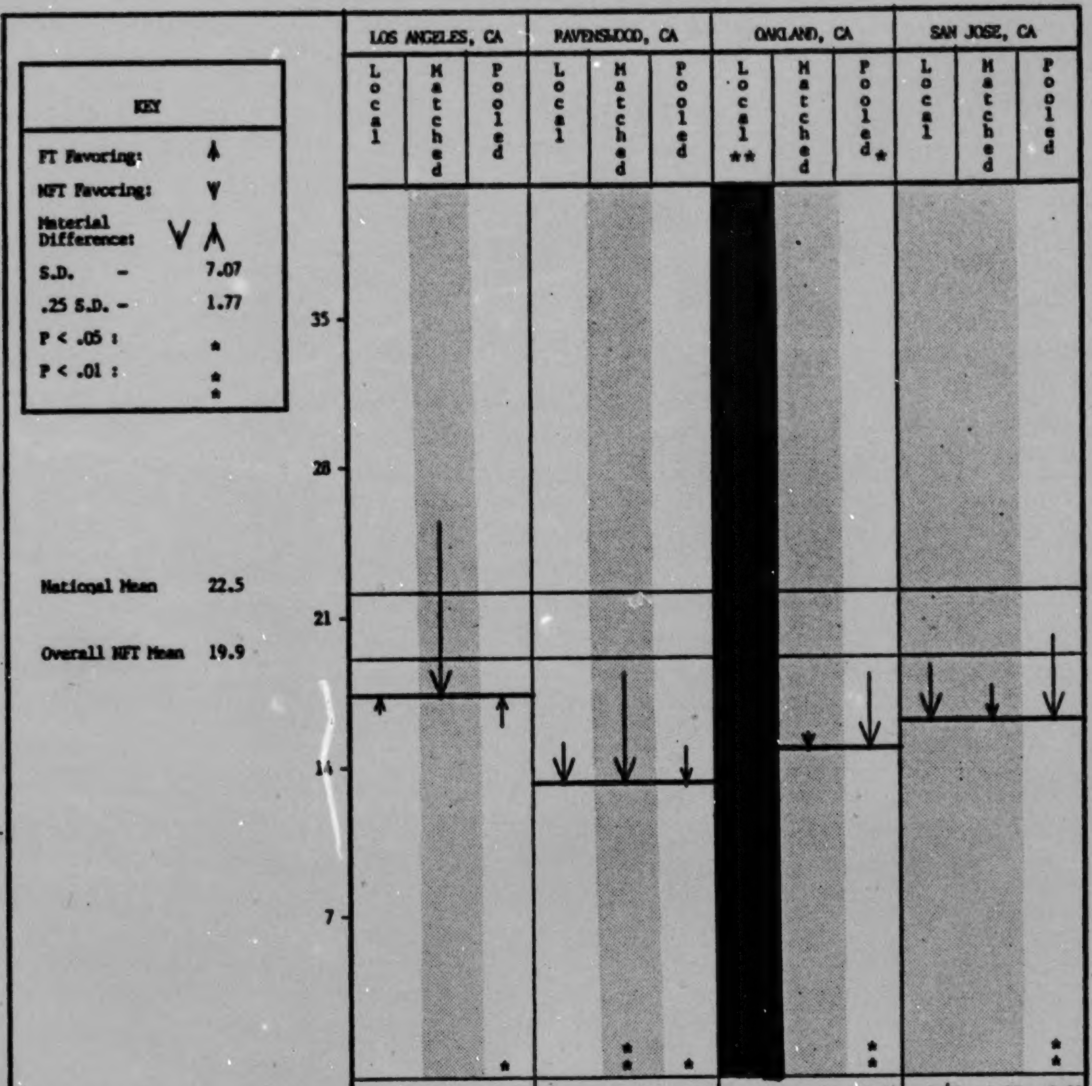
| | LOS ANGELES, CA Local | Matched | Pooled | RAVENSWOOD, CA Local | Matched | Pooled | OAKLAND, CA Local | Matched | Pooled | SAN JOSE, CA Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.50 | -3.28 | -0.53 | -0.35 | -2.69 | 0.14 | — | -0.36 | -3.54 | 0.57 | 0.12 | 0.21 |
| Standard Error | 1.22 | 3.25 | 0.46 | 1.66 | 1.24 | 0.66 | — | 1.26 | 0.64 | 2.19 | 1.55 | 0.60 |
| FT Mean | 17.48 | | | 16.45 | | | 15.00 | | | 19.87 | | |
| No. of FT Children | 96 | | | 40 | | | 49 | | | 37 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

** No FT/NFT comparison computed due to lack of local NFT group.

* No test for size of adjustment due to lack of local NFT group.

## Table C16-IIIK-12

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT READING FOR COHORT III KINDERGARTEN SITES IN THE CALIFORNIA PROCESS MODEL



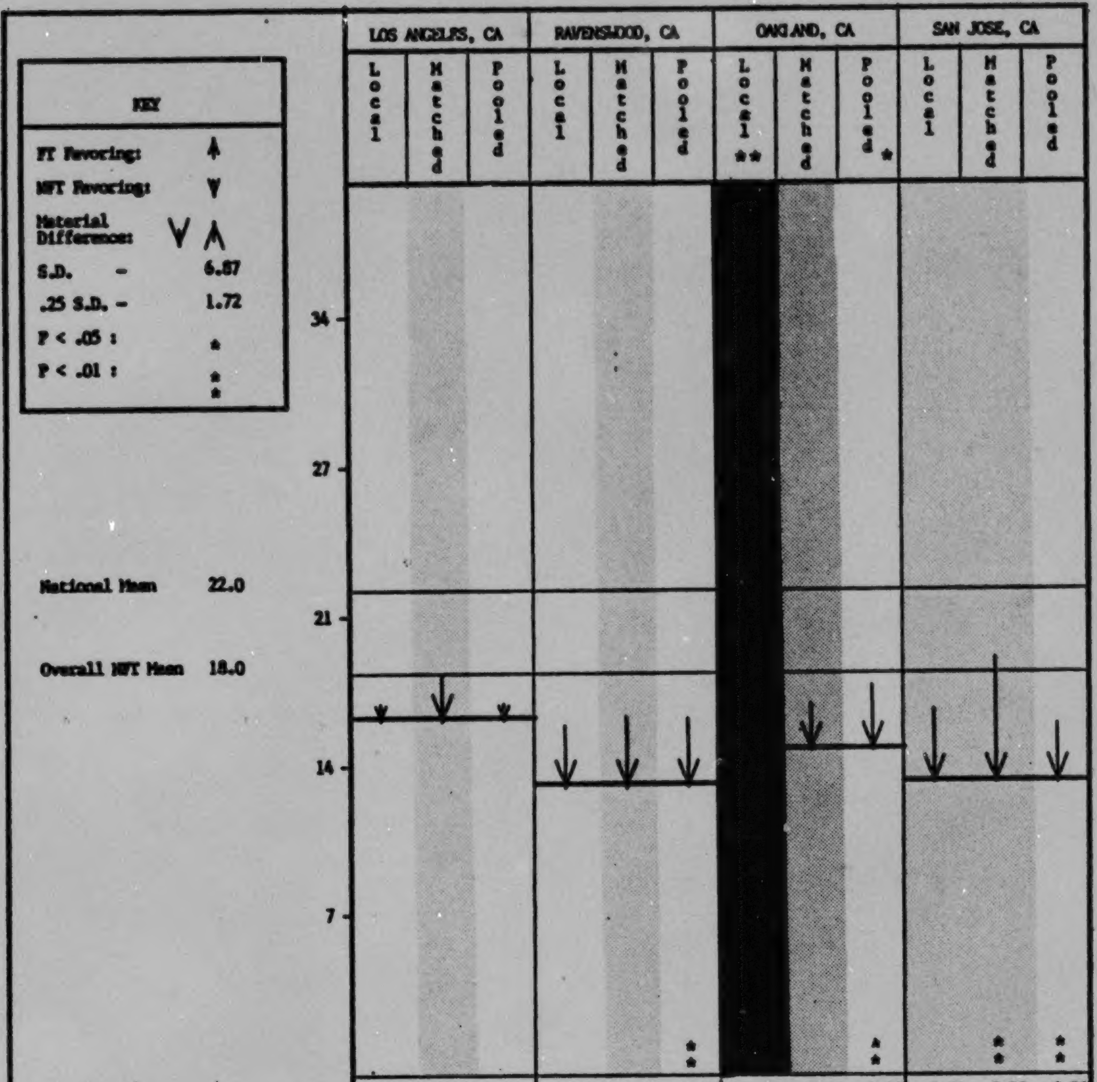
| | LOS ANGELES, CA | | | RAVENSWOOD, CA | | | OAKLAND, CA | | | SAN JOSE, CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local ** | Matched | Pooled * | Local | Matched | Pooled |
| | | | * | | ** | * | | | ** | | | ** |
| Magnitude of Effect | 0.73 | -8.32 | 1.37 | -1.95 | -5.16 | -1.74 | — | -0.80 | -3.51 | -2.59 | -1.52 | -3.88 |
| Standard Error | 1.59 | 4.53 | 0.61 | 2.15 | 1.95 | 0.80 | — | 1.82 | 0.87 | 2.85 | 2.02 | 0.85 |
| FT Mean | 17.67 | | | 13.55 | | | 15.10 | | | 16.49 | | |
| No. of FT Children | 96 | | | 40 | | | 49 | | | 37 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

** No FT/NFT comparison computed due to lack of local NFT group.

* No test for size of adjustment due to lack of local NFT group.

## Table C16-IIIK-13

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS CONCEPTS FOR COHORT III KINDERGARTEN SITES IN THE CALIFORNIA PROCESS MODEL



| | LOS ANGELES, CA | | | RAVENSWOOD, CA | | | OAKLAND, CA | | | SAN JOSE, CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local ** | Matched | Pooled * | Local | Matched | Pooled |
| Magnitude of Effect | -0.81 | -2.10 | -0.51 | -2.82 | -3.21 | -3.04 | — | -2.00 | -2.95 | -3.30 | -5.75 | -2.75 |
| Standard Error | 1.68 | 4.50 | 0.60 | 2.27 | 1.74 | 0.80 | — | 1.80 | 0.80 | 3.00 | 2.07 | 0.82 |
| FT Mean | 16.07 | | | 13.00 | | | 14.67 | | | 13.14 | | |
| No. of FT Children | 96 | | | 40 | | | 49 | | | 37 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

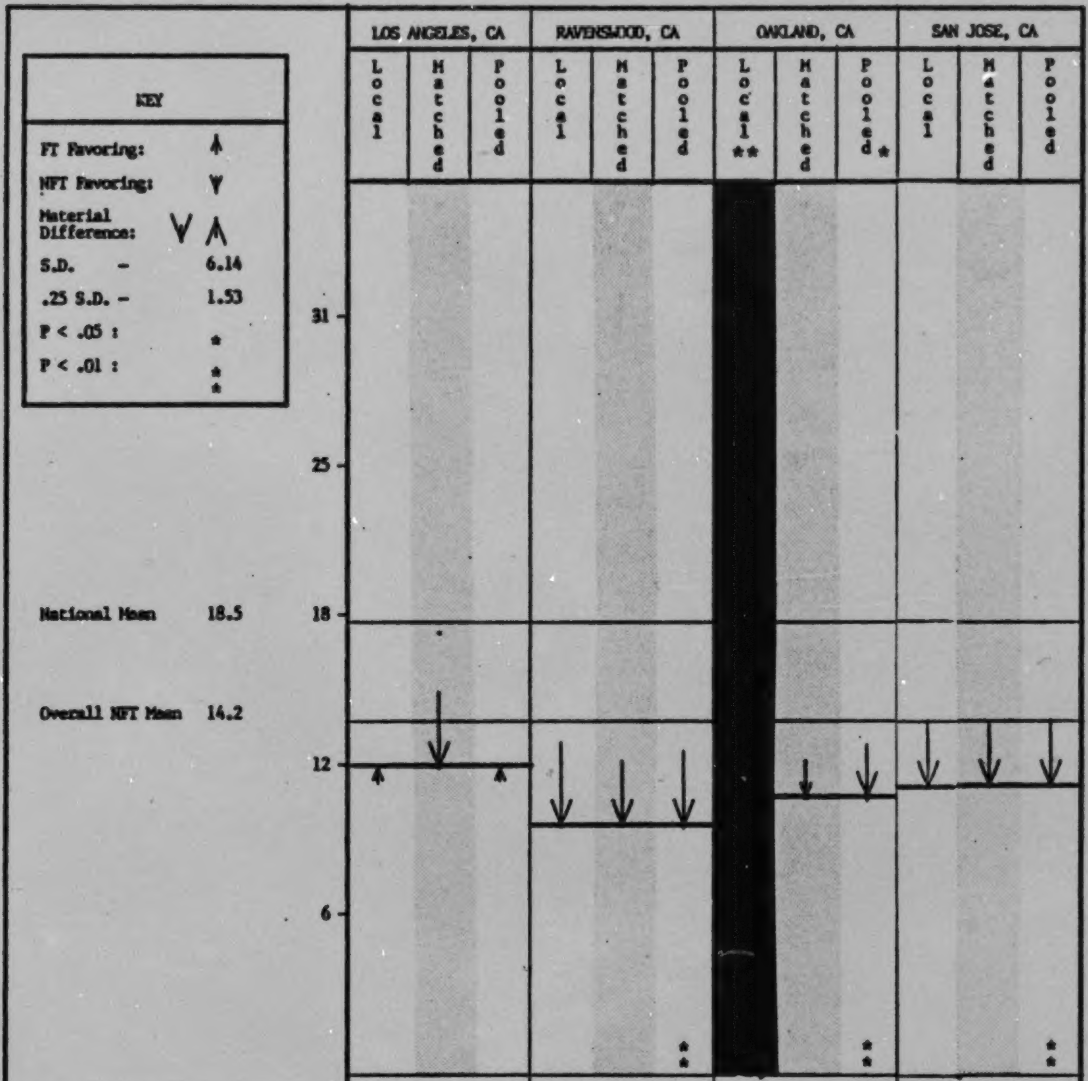
** No FT/NFT comparison computed due to lack of local NFT group.

* No test for size of adjustment due to lack of local NFT group.

COHORT III-K STUDY
Non-Preschool Adjusted

## Table C16-IIIK-14

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM-SOLVING FOR COHORT III KINDERGARTEN SITES IN THE CALIFORNIA PROCESS MODEL



| | LOS ANGELES, CA | | | RAVENSWOOD, CA | | | OAKLAND, CA | | | SAN JOSE, CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local ** | Matched | Pooled * | Local | Matched | Pooled |
| Magnitude of Effect | 0.33 | -2.99 | 0.46 | -3.30 | -2.58 | -3.07 | — | -1.45 | -2.18 | -3.44 | -2.46 | -2.73 |
| Standard Error | 1.45 | 4.23 | 0.55 | 1.96 | 1.49 | 0.58 | — | 1.61 | 0.70 | 2.59 | 1.68 | 0.69 |
| FT Mean | 12.37 | | | 10.00 | | | 11.10 | | | 11.57 | | |
| No. of FT Children | 96 | | | 40 | | | 49 | | | 37 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

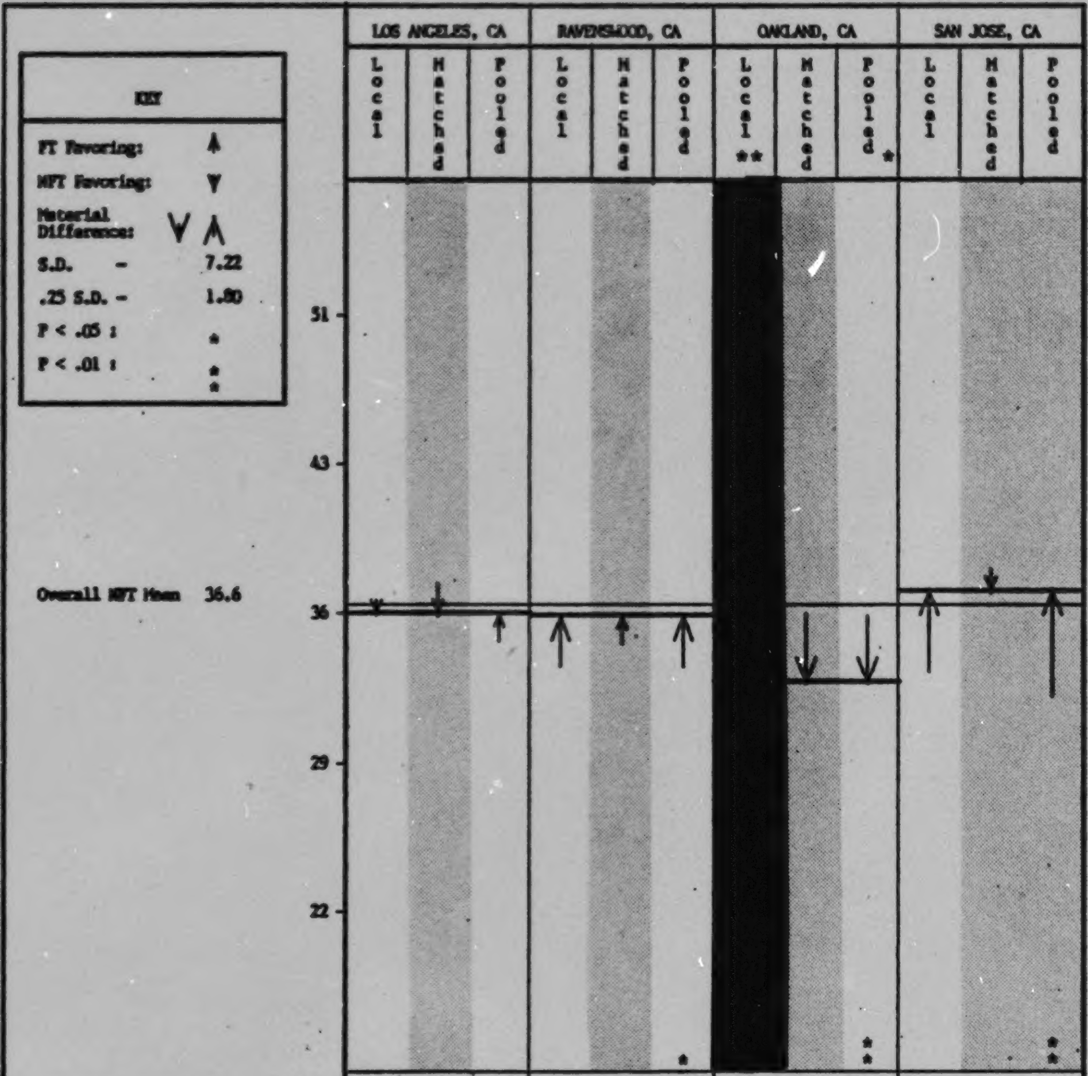
** No FT/NFT comparison computed due to lack of local NFT group.

* No test for size of adjustment due to lack of local NFT group.

1444

## Table C16-IIIK-15

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT III KINDERGARTEN SITES IN THE CALIFORNIA PROCESS MODEL



| | LOS ANGELES, CA | | | RAVENSWOOD, CA | | | OAKLAND, CA | | | SAN JOSE, CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.15 | -1.52 | 1.29 | 2.34 | 1.27 | 2.36 | — | -3.30 | -3.18 | 3.85 | -1.10 | 5.08 |
| Standard Error | 2.10 | 5.46 | 0.77 | 2.85 | 2.14 | 0.93 | — | 2.20 | 1.08 | 3.77 | 2.28 | 1.04 |
| FT Mean | 36.24 | | | 36.10 | | | 32.94 | | | 37.32 | | |
| No. of FT Children | 96 | | | 40 | | | 49 | | | 37 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

** No FT/NFT comparison computed due to lack of local NFT group.

* No test for size of adjustment due to lack of local NFT group.

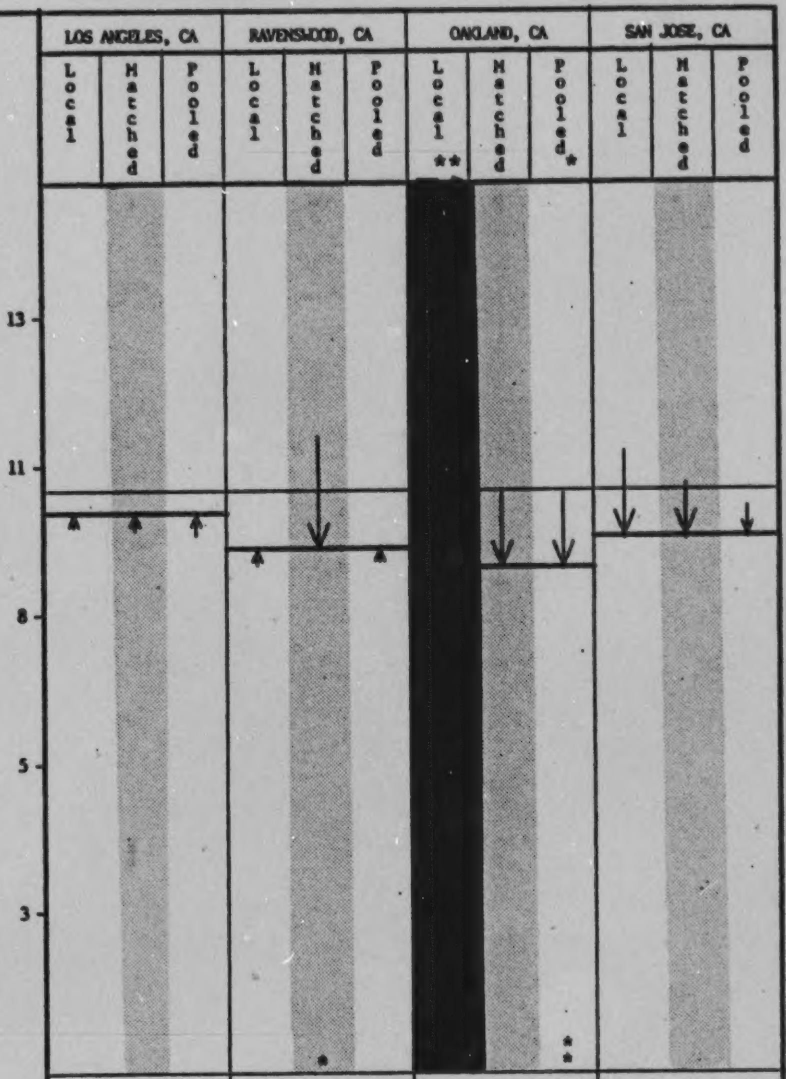
# Table C16-IIIK-16

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT III KINDERGARTEN SITES IN THE CALIFORNIA PROCESS MODEL

**KEY**

FT Favoring: ▲
NFT Favoring: ▼
Material Difference: ⋎ ⋏
S.D. – 2.64
.25 S.D. – .66
P < .05 : *
P < .01 : **

Overall NFT Mean 10.1



| | Los Angeles, CA Local | Los Angeles, CA Matched | Los Angeles, CA Pooled | Ravenswood, CA Local | Ravenswood, CA Matched | Ravenswood, CA Pooled | Oakland, CA Local | Oakland, CA Matched | Oakland, CA Pooled | San Jose, CA Local | San Jose, CA Matched | San Jose, CA Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 0.22 | 0.04 | 0.39 | 0.33 | -1.98 | 0.27 | — | -1.36 | -1.33 | -1.52 | -0.95 | -0.57 |
| Standard Error | 0.83 | 1.90 | 0.27 | 1.12 | 0.98 | 0.51 | — | 0.77 | 0.32 | 1.49 | 1.02 | 0.48 |
| FT Mean | 9.80 | | | 9.18 | | | 8.80 | | | 9.32 | | |
| No. of FT Children | 96 | | | 40 | | | 49 | | | 37 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

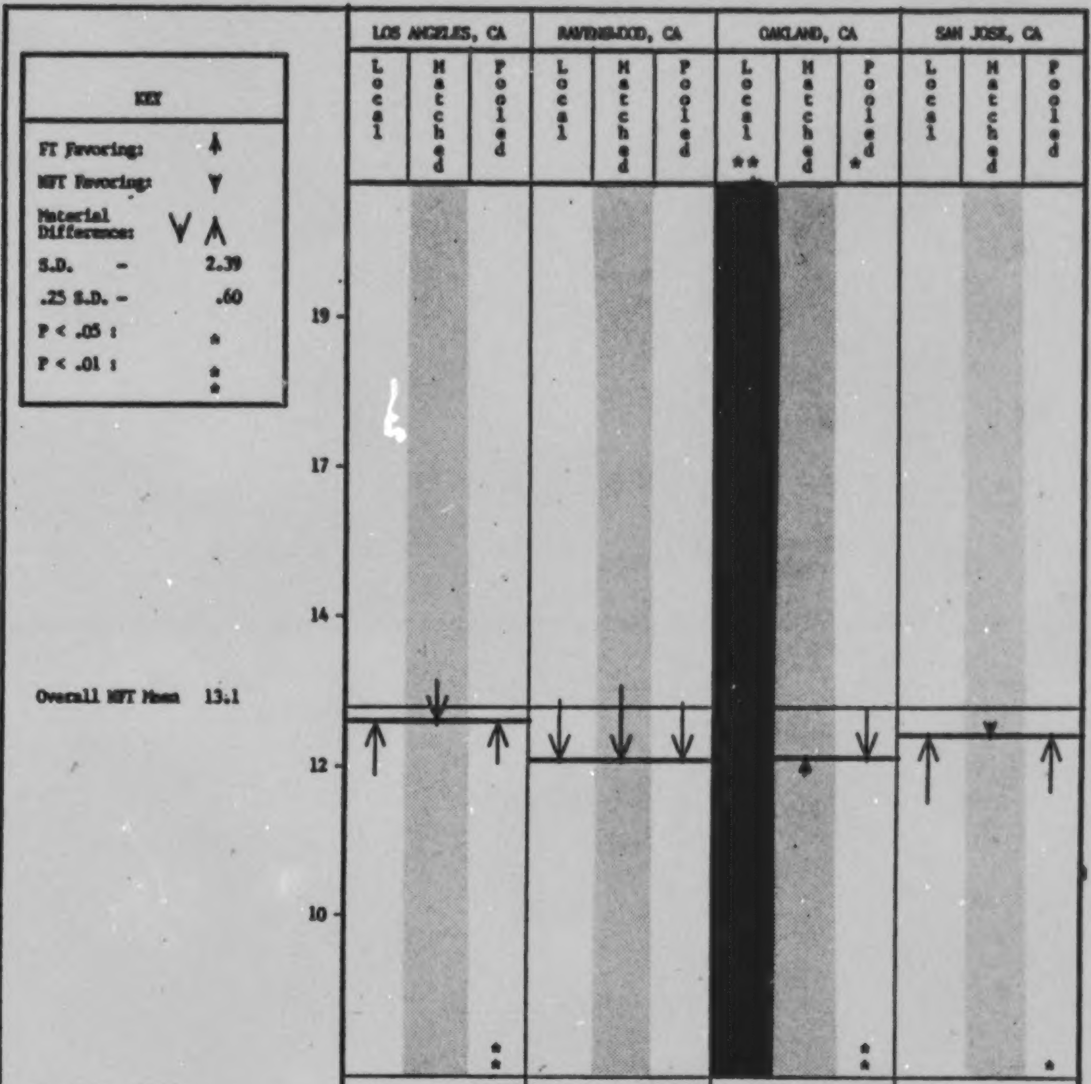
** No FT/NFT comparison computed due to lack of local NFT group.

* No test for size of adjustment due to lack of local NFT group.

1446

## Table C16-IIIK-17

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE FOR COHORT III KINDERGARTEN SITES IN THE CALIFORNIA PROCESS MODEL



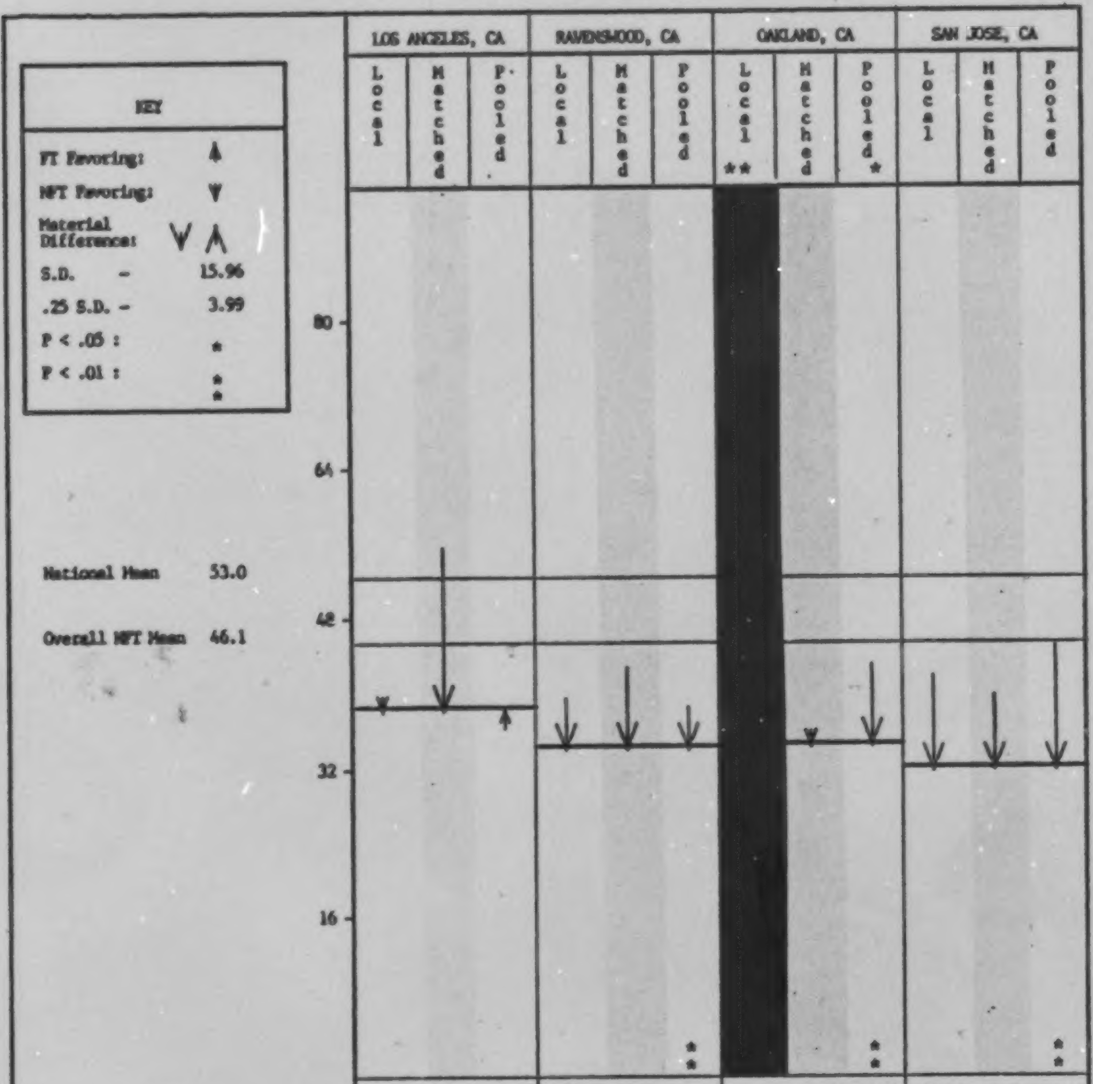
| | LOS ANGELES, CA | | | RAVENSWOOD, CA | | | OAKLAND, CA | | | SAN JOSE, CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.83 | -0.67 | 0.64 | -0.97 | -1.21 | -0.92 | — | 0.02 | -0.81 | 1.07 | -0.20 | 0.90 |
| Standard Error | 0.73 | 1.83 | 0.25 | 0.98 | 0.96 | 0.51 | — | 0.71 | 0.31 | 1.30 | 0.87 | 0.35 |
| FT Mean | 12.74 | | | 12.13 | | | 12.16 | | | 12.51 | | |
| No. of FT Children | 96 | | | 40 | | | 49 | | | 37 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

** No FT/NFT comparison computed due to lack of local NFT group.

* No test for size of adjustment due to lack of local NFT group.

## Table C16-IIIK-18

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL READING FOR COHORT III KINDERGARTEN SITES IN THE CALIFORNIA PROCESS MODEL



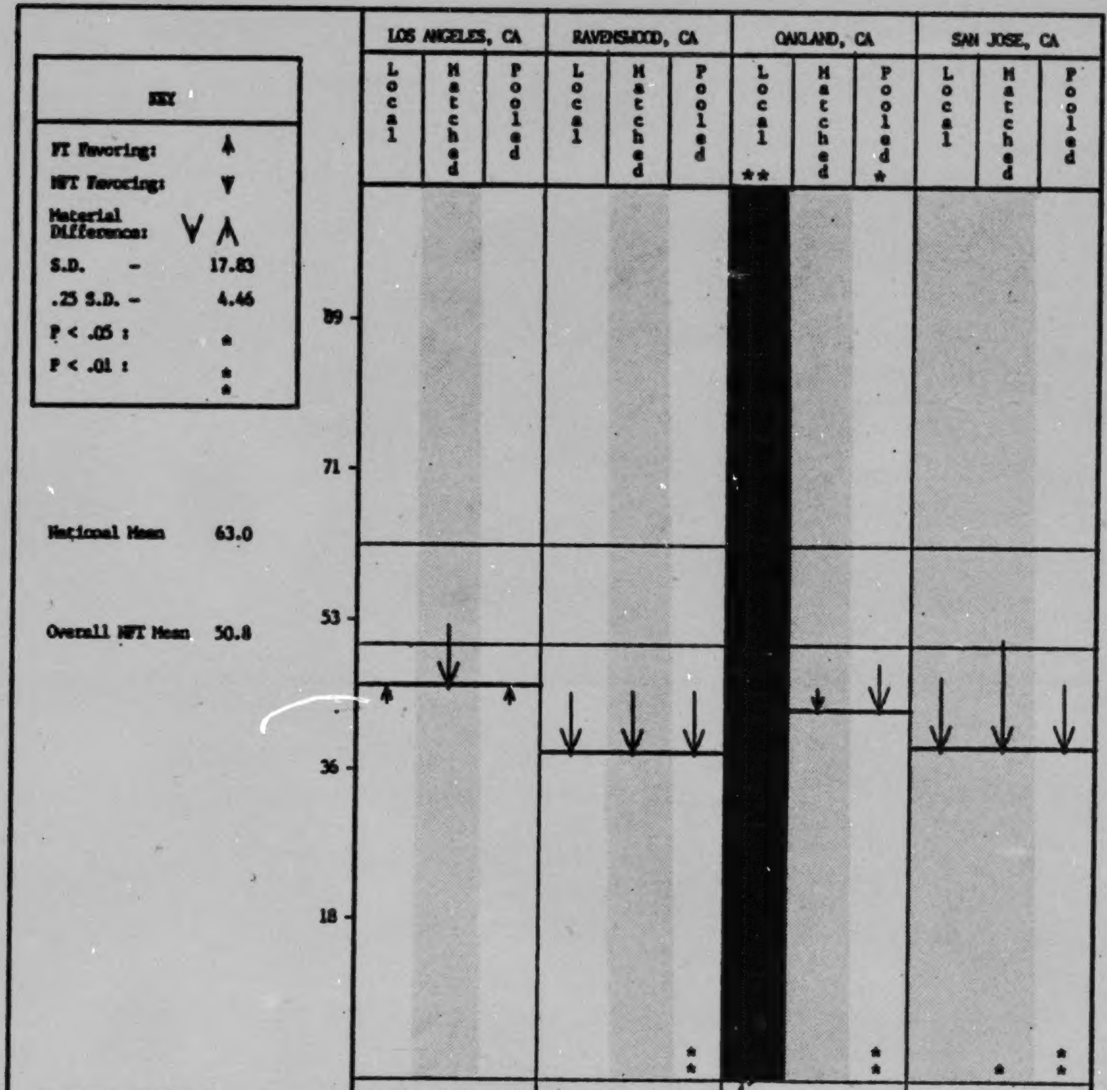
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.48 | -17.05 | 2.03 | -5.52 | -8.73 | -4.59 | — | -1.07 | -8.66 | -10.09 | -7.84 | -13.42 |
| Standard Error | 3.62 | 10.23 | 1.40 | 4.89 | 4.52 | 1.75 | — | 4.05 | 1.97 | 6.48 | 4.69 | 1.99 |
| FT Mean | 38.81 | | | 34.60 | | | 34.94 | | | 32.38 | | |
| No. of FT Children | 96 | | | 40 | | | 49 | | | 37 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

** No FT/NFT comparison computed due to lack of local NFT group.

* No test for size of adjustment due to lack of local NFT group.

# Table C16-IIIK-19

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL MATH FOR COHORT III KINDERGARTEN SITES IN THE CALIFORNIA PROCESS MODEL



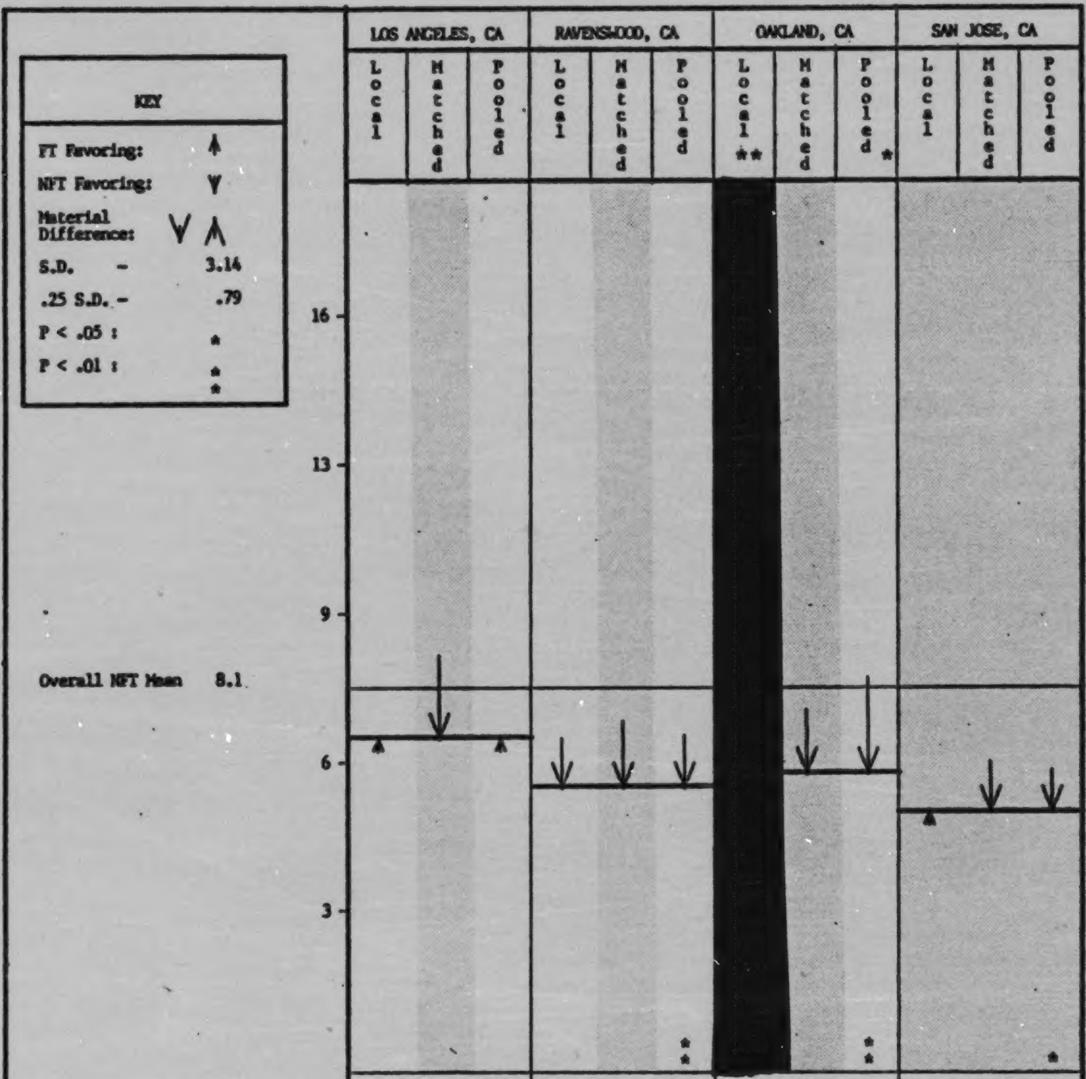
| | LOS ANGELES, CA | | | RAVENSWOOD, CA | | | OAKLAND, CA | | | SAN JOSE, CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local ** | Matched | Pooled * | Local | Matched | Pooled |
| Magnitude of Effect | 1.97 | -7.38 | 1.59 | -7.36 | -7.48 | -7.57 | — | -2.43 | -5.69 | -8.68 | -13.05 | -7.73 |
| Standard Error | 4.15 | 11.82 | 1.53 | 5.61 | 4.16 | 1.94 | — | 4.48 | 1.92 | 7.43 | 5.18 | 1.95 |
| FT Mean | 45.94 | | | 38.13 | | | 43.47 | | | 38.84 | | |
| No. of FT Children | 96 | | | 40 | | | 49 | | | 37 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

** No FT/NFT comparison computed due to lack of local NFT group.

* No test for size of adjustment due to lack of local NFT group.

## Table C16-IIIK-20

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT III KINDERGARTEN SITES IN THE CALIFORNIA PROCESS MODEL



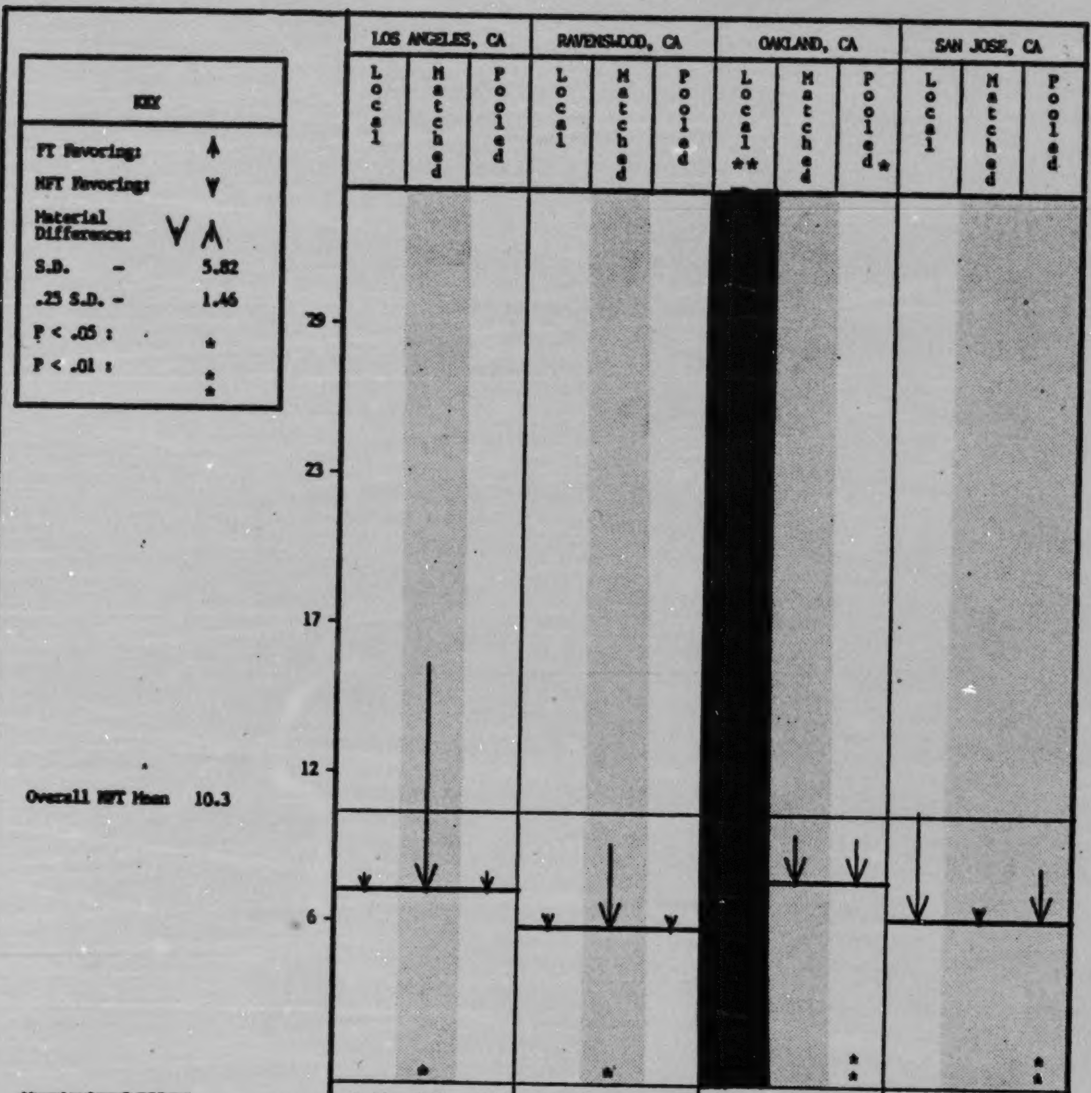
| | LOS ANGELES, CA | | | RAVENSWOOD, CA | | | OAKLAND, CA | | | SAN JOSE, CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local ** | Matched | Pooled * | Local | Matched | Pooled |
| Magnitude of Effect | 0.22 | -1.71 | 0.21 | -1.02 | -1.35 | -1.08 | — | -1.35 | -2.03 | 0.14 | -1.00 | -0.86 |
| Standard Error | 0.82 | 2.18 | 0.29 | 1.11 | 0.94 | 0.38 | — | 0.90 | 0.39 | 1.46 | 0.96 | 0.44 |
| FT Mean | 6.93 | | | 5.88 | | | 6.12 | | | 5.35 | | |
| No. of FT Children | 96 | | | 40 | | | 49 | | | 37 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

** No FT/NFT comparison computed due to lack of local NFT group.

* No test for size of adjustment due to lack of local NFT group.

## Table C16-IIIK-21

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT III KINDERGARTEN SITES IN THE CALIFORNIA PROCESS MODEL



| | Los Angeles, CA Local | Los Angeles, CA Matched | Los Angeles, CA Pooled | Ravenswood, CA Local | Ravenswood, CA Matched | Ravenswood, CA Pooled | Oakland, CA Local | Oakland, CA Matched | Oakland, CA Pooled | San Jose, CA Local | San Jose, CA Matched | San Jose, CA Pooled |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.36 | -8.84 | -0.74 | -0.36 | -3.20 | -0.13 | — | -1.86 | -1.72 | -4.20 | -0.23 | -1.99 |
| Standard Error | 1.21 | 3.68 | 0.47 | 1.64 | 1.47 | 0.50 | — | 1.54 | 0.59 | 2.17 | 1.16 | 0.60 |
| FT Mean | 7.21 | | | 5.75 | | | 7.57 | | | 6.22 | | |
| No. of FT Children | 96 | | | 40 | | | 49 | | | 37 | | |
| Matched NFT Site | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

** No FT/NFT comparison computed due to lack of local NFT group.

* No test for size of adjustment due to lack of local NFT group.

Table C16-IIIK-22

## STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN FOR THE CALIFORNIA PROCESS MODEL

| | MAT NORM POPULATION | SPONSOR'S SITES | | | LOS ANGELES, CA | | | RAVENSWOOD, CA | | | OAKLAND, CA | | | SAN JOSE, CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | | | | |
| Third Grade Median | 61 | 50.8 | 53.5 | — | 52.9 | 47.0 | 67.0 | 50.2 | 55.2 | 55.5 | 50.3 | | 52.3 | 49.7 | 58.2 | 57.0 |
| Median Percentile | 50 | 20.0 | 24.0 | 40.0 | 24.0 | 10.0 | 66.0 | 16.0 | 30.0 | 34.0 | 16.0 | | 22.0 | 16.0 | 40.0 | 36.0 |
| Grade Equivalent | 3.5 | 2.5 | 2.7 | 3.2 | 2.7 | 2.2 | 4.2 | 2.4 | 2.9 | 3.0 | 2.4 | | 2.6 | 2.4 | 3.2 | 3.1 |
| 1 Year or More Below Grade Level | 20 | 54.5 | 38.0 | — | 45.8 | 66.7 | 30.8 | 57.5 | 22.2 | 40.9 | 55.1 | | 44.9 | 59.5 | 25.0 | 27.0 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 58.2 | 58.8 | — | 59.7 | 52.5 | 63.0 | 57.3 | 60.5 | 58.5 | 58.4 | | 58.2 | 57.3 | 63.5 | 64.7 |
| Median Percentile | 50 | 14.0 | 16.0 | 20.0 | 18.0 | 8.0 | 26.0 | 12.0 | 20.0 | 16.0 | 14.0 | | 14.0 | 12.0 | 28.0 | 32.0 |
| Grade Equivalent | 3.75 | 2.8 | 2.9 | 3.0 | 3.0 | 2.4 | 3.2 | 2.7 | 3.0 | 2.9 | 2.8 | | 2.8 | 2.7 | 3.2 | 3.3 |
| 1 Year or More Below Grade Level | 12 | 46.3 | 45.5 | — | 42.7 | 64.3 | 46.2 | 52.5 | 38.9 | 36.4 | 38.8 | | 42.9 | 51.4 | 33.3 | 27.0 |
| SPELLING | | | | | | | | | | | | | | | | |
| Third Grade Median | 64 | 57.1 | 57.2 | — | 58.3 | 42.5 | 67.0 | 58.0 | 65.5 | 58.5 | 55.3 | | 59.8 | 56.8 | 63.5 | 62.0 |
| Median Percentile | 50 | 30.0 | 30.0 | 44.0 | 32.0 | 6.0 | 60.0 | 32.0 | 58.0 | 36.0 | 23.0 | | 38.0 | 30.0 | 50.0 | 44.0 |
| Grade Equivalent | 3.6 | 2.9 | 2.9 | 3.4 | 2.9 | 1.9 | 4.1 | 2.9 | 3.9 | 3.0 | 2.7 | | 3.1 | 2.9 | 3.6 | 3.4 |
| 1 Year or More Below Grade Level | 22 | 43.3 | 34.9 | — | 40.6 | 71.4 | 30.8 | 42.5 | 16.7 | 45.5 | 46.9 | | 36.7 | 43.2 | 16.7 | 24.3 |
| LANGUAGE | | | | | | | | | | | | | | | | |
| Third Grade Median | 70 | 53.5 | 54.8 | — | 55.2 | 52.5 | 65.0 | 50.5 | 54.5 | 54.0 | 54.6 | | 57.0 | 53.6 | 57.5 | 55.3 |
| Median Percentile | 50 | 11.0 | 14.0 | 22.0 | 14.0 | 11.0 | 38.0 | 9.0 | 14.0 | 12.0 | 14.0 | | 20.0 | 12.0 | 22.0 | 14.0 |
| Grade Equivalent | 4.0 | 2.3 | 2.5 | 2.8 | 2.5 | 2.3 | 3.4 | 2.2 | 2.5 | 2.4 | 2.5 | | 2.7 | 2.4 | 2.8 | 2.5 |
| 1 Year or More Below Grade Level | 14 | 83.4 | 75.8 | — | 71.9 | 85.7 | 38.5 | 87.5 | 83.3 | 63.6 | 79.6 | | 59.2 | 94.6 | 58.3 | 83.8 |
| BEST MATCHED SITE | | | | | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

Table C16-IIIK(PS)-22

## STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN WITH HEADSTART FOR THE CALIFORNIA PROCESS MODEL

| | MAT NORM POPU-LATION | SPONSOR'S SITES | | LOS ANGELES, CA | | RAVENSWOOD, CA | | OAKLAND, CA | | SAN JOSE, CA | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT | FT | NFT | FT | NFT |
| **TOTAL READING** | | | | | | | | | | | |
| Third Grade Median | 61 | 50.6 | 53.4 | 53.1 | 46.8 | 50.2 | 54.8 | 50.5 | | 48.5 | 58.5 |
| Median Percentile | 50 | 17 | 27 | 24 | 10 | 16 | 30 | 16 | | 12 | 40 |
| Grade Equivalent | 3.5 | 2.4 | 2.8 | 2.7 | 2.2 | 2.4 | 2.9 | 2.4 | | 2.3 | 3.2 |
| % 1 Year or More Below Grade Level | 20 | 57 | 39 | 46 | 67 | 62 | 25 | 55 | | 64 | 25 |
| **TOTAL MATHEMATICS** | | | | | | | | | | | |
| Third Grade Median | 70.5 | 58.4 | 58.7 | 60.1 | 51.8 | 57.5 | 60.5 | 58.6 | | 57.2 | 63.8 |
| Median Percentile | 50 | 15 | 18 | 18 | 7 | 14 | 18 | 16 | | 12 | 28 |
| Grade Equivalent | 3.75 | 2.8 | 2.9 | 3.0 | 2.4 | 2.8 | 3.0 | 2.9 | | 2.7 | 3.2 |
| % 1 Year or More Below Grade Level | 12 | 45 | 45 | 41 | 70 | 50 | 33 | 38 | | 52 | 33 |
| **SPELLING** | | | | | | | | | | | |
| Third Grade Median | 64 | 56.6 | 57.5 | 58.8 | 43.1 | 56.2 | 66.5 | 55.2 | | 56.0 | 62.8 |
| Median Percentile | 50 | 28 | 37 | 36 | 6 | 26 | 58 | 23 | | 26 | 48 |
| Grade Equivalent | 3.6 | 2.8 | 3.1 | 3.0 | 1.9 | 2.8 | 3.9 | 2.7 | | 2.8 | 3.5 |
| % 1 Year or More Below Grade Level | 22 | 45 | 36 | 40 | 73 | 47 | 17 | 47 | | 45 | 17 |
| **LANGUAGE** | | | | | | | | | | | |
| Third Grade Median | 70 | 53.3 | 54.5 | 55.2 | 52.5 | 50.6 | 53.0 | 54.8 | | 52.5 | 58.0 |
| Median Percentile | 50 | 12 | 14 | 14 | 10 | 8 | 11 | 14 | | 10 | 22 |
| Grade Equivalent | 4.0 | 2.4 | 2.5 | 2.5 | 2.3 | 2.2 | 2.4 | 2.5 | | 2.3 | 2.8 |
| % 1 Year or More Below Grade Level | 14 | 83 | 75 | 72 | 85 | 88 | 83 | 79 | | 94 | 58 |

## Table C16-IIIK-23

### MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES USED IN THE ANALYTIC SAMPLE OF THE COHORT III KINDERGARTEN CHILDREN FOR THE CALIFORNIA PROCESS MODEL.

| | SPONSOR'S SITES | | | LOS ANGELES, CA | | | RAVENSWOOD, CA | | | OAKLAND, CA | | | SAN JOSE, CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | | | | | | | | | | |
| Mean | 33.2 | 32.4 | — | 42.0 | 30.1 | 37.5 | 29.7 | 30.3 | 27.6 | 32.1 | — | 30.3 | 29.1 | 36.8 | 32.8 |
| Standard Deviation | — | — | — | 11.2 | 11.3 | 12.7 | 9.6 | 13.1 | 13.3 | 12.8 | — | 9.9 | 10.8 | 11.9 | 10.2 |
| HIGHEST OCCUPATION IN HOUSE | | | | | | | | | | | | | | | |
| Mean | 13.5 | 14.1 | — | 13.9 | 13.6 | 13.8 | 13.2 | 14.1 | 13.1 | 14.0 | — | 13.4 | 12.9 | 14.5 | 13.9 |
| Standard Deviation | — | — | — | 1.8 | 1.9 | 2.3 | 1.7 | 2.6 | 2.0 | 2.1 | — | 1.8 | 1.0 | 1.6 | 1.7 |
| FAMILY INCOME IN DOLLARS | | | | | | | | | | | | | | | |
| Mean | 4493 | 5059 | — | 5371 | 4344 | 5670 | 4344 | 5280 | 4538 | 4050 | — | 3590 | 4206 | 5554 | 4569 |
| Standard Deviation | — | — | — | 2659 | 2612 | 2552 | 2327 | 2613 | 2853 | 2161 | — | 2393 | 2589 | 3017 | 2018 |
| MISSING INCOME INFORMATION | | | | | | | | | | | | | | | |
| No. Missing | — | — | — | 61 | 8 | 3 | 13 | 8 | 1 | 27 | — | 18 | 19 | 1 | 8 |
| Valid Cases | — | — | — | 35 | 34 | 10 | 27 | 10 | 21 | 22 | — | 31 | 18 | 11 | 29 |
| ETHNIC MEMBERSHIP/RACE | | | | | | | | | | | | | | | |
| Percent White | 1 | 11 | — | 0 | 0 | 31 | 0 | 0 | 0 | 0 | — | 0 | 5 | 33 | 3 |
| Percent Black | 74 | 56 | — | 100 | 83 | 54 | 98 | 83 | 100 | 100 | — | 100 | 0 | 0 | 0 |
| SEX Percent Female | 54 | 55 | — | 54 | 43 | 69 | 60 | 56 | 59 | 53 | — | 55 | 49 | 67 | 54 |
| ENTRY AGE IN MONTHS | | | | | | | | | | | | | | | |
| Mean | 64.2 | 64.7 | — | 64.5 | 62.7 | 67.2 | 64.0 | 64.7 | 65.1 | 64.6 | — | 67.0 | 63.8 | 66.6 | 63.2 |
| Standard Deviation | — | — | — | 3.4 | 3.5 | 3.5 | 3.8 | 4.1 | 3.9 | 3.7 | — | 3.9 | 3.6 | 7.0 | 3.5 |
| FIRST LANGUAGE | | | | | | | | | | | | | | | |
| Percent English | 76 | 77 | — | 100 | 93 | 100 | 98 | 88 | 100 | 100 | — | 100 | 8 | 50 | 51 |
| BEST MATCHED SITE | | | | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

## Table C16-IIIK-24

# MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES FOR THE COHORT III KINDERGARTEN CHILDREN IN THE CAL PROCESS MODEL

| | ALL SITES | | SPONSOR'S SITES | | | LOS ANGELES, CA | | | RAVENSWOOD, CA | | | OAKLAND, CA | | | SAN JOSE, CA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | | | | | |
| Mean | 41.25 | 46.14 | 35.18 | 40.40 | — | 38.81 | 30.74 | 34.54 | 34.60 | 40.67 | 43.23 | 34.94 | — | 34.71 | 32.38 | 54.00 | 42.03 |
| Standard Deviation | | | — | — | — | 16.22 | 14.15 | 23.84 | 14.54 | 14.11 | 20.30 | 16.54 | — | 13.96 | 14.32 | 21.96 | 13.75 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | | | | |
| Mean | 47.77 | 50.84 | 41.59 | 46.26 | — | 45.94 | 36.76 | 52.85 | 38.13 | 47.28 | 45.36 | 43.47 | — | 43.45 | 38.84 | 54.58 | 50.11 |
| Standard Deviation | | | — | — | — | 17.54 | 14.76 | 26.52 | 15.40 | 18.41 | 17.49 | 14.77 | — | 16.05 | 13.53 | 21.04 | 16.31 |
| LANGUAGE | | | | | | | | | | | | | | | | | |
| Mean | 16.60 | 18.44 | 12.76 | 14.73 | — | 14.14 | 12.33 | 21.85 | 11.63 | 13.39 | 15.82 | 13.69 | — | 16.24 | 11.57 | 18.17 | 13.86 |
| Standard Deviation | | | — | — | — | 6.68 | 4.81 | 12.27 | 4.78 | 6.51 | 9.00 | 6.16 | — | 7.84 | 3.64 | 7.81 | 4.30 |
| SPELLING | | | | | | | | | | | | | | | | | |
| Mean | 17.64 | 20.63 | 15.86 | 16.64 | — | 16.74 | 8.57 | 20.23 | 17.28 | 21.67 | 18.18 | 14.88 | — | 16.10 | 14.54 | 23.58 | 18.49 |
| Standard Deviation | | | — | — | — | 12.49 | 11.13 | 14.65 | 12.15 | 11.18 | 13.71 | 12.78 | — | 11.97 | 10.51 | 12.86 | 11.68 |
| RAVEN'S PROGRESSIVE MAT. | | | | | | | | | | | | | | | | | |
| Mean | 18.15 | 18.95 | 17.20 | 17.87 | — | 17.48 | 16.69 | 21.54 | 16.45 | 16.89 | 19.77 | 15.00 | — | 15.41 | 19.86 | 20.25 | 20.00 |
| Standard Deviation | | | — | — | — | 4.76 | 4.28 | 3.62 | 3.83 | 4.31 | 4.02 | 4.78 | — | 4.06 | 3.52 | 4.05 | 4.38 |
| COOPERSMITH'S SELF-EST. | | | | | | | | | | | | | | | | | |
| Mean | 35.64 | 36.59 | 35.65 | 34.21 | — | 36.24 | 33.57 | 37.77 | 36.10 | 33.94 | 33.82 | 32.94 | — | 36.37 | 37.32 | 33.42 | 37.22 |
| Standard Deviation | | | — | — | — | 7.72 | 7.81 | 4.92 | 6.21 | 7.89 | 7.94 | 8.30 | — | 6.28 | 6.57 | 7.53 | 5.42 |
| IARS-LOCUS NEGATIVE | | | | | | | | | | | | | | | | | |
| Mean | 9.91 | 10.11 | 9.27 | 9.31 | — | 9.80 | 8.98 | 10.15 | 9.18 | 9.00 | 10.77 | 8.80 | — | 9.73 | 9.32 | 10.08 | 10.46 |
| Standard Deviation | | | — | — | — | 2.74 | 3.06 | 3.02 | 3.26 | 3.46 | 1.90 | 2.27 | — | 2.74 | 2.99 | 1.98 | 2.33 |
| IARS-LOCUS POSITIVE | | | | | | | | | | | | | | | | | |
| Mean | 12.83 | 13.07 | 12.39 | 12.27 | — | 12.74 | 11.60 | 13.46 | 12.13 | 13.11 | 13.73 | 12.16 | — | 12.14 | 12.51 | 12.08 | 13.16 |
| Standard Deviation | | | — | — | — | 2.53 | 2.58 | 2.96 | 3.26 | 1.57 | 2.07 | 2.21 | — | 2.37 | 2.09 | 1.98 | 2.66 |
| WORD KNOWLEDGE | | | | | | | | | | | | | | | | | |
| Mean | 23.30 | 26.29 | 19.48 | 22.90 | — | 21.15 | 16.74 | 29.62 | 21.05 | 24.72 | 24.55 | 19.84 | — | 19.65 | 15.89 | 30.17 | 23.73 |
| Standard Deviation | | | — | — | — | 10.13 | 9.07 | 14.04 | 9.70 | 9.50 | 12.32 | 10.66 | — | 8.69 | 9.37 | 13.36 | 8.81 |
| READING | | | | | | | | | | | | | | | | | |
| Mean | 17.95 | 19.85 | 15.70 | 17.50 | — | 17.67 | 14.00 | 24.92 | 13.55 | 15.94 | 18.68 | 15.10 | — | 15.06 | 16.49 | 23.83 | 18.30 |
| Standard Deviation | | | — | — | — | 6.93 | 5.74 | 10.28 | 6.03 | 6.38 | 8.59 | 6.95 | — | 6.18 | 5.95 | 8.91 | 5.97 |
| MATH COMPUTATIONS | | | | | | | | | | | | | | | | | |
| Mean | 18.16 | 18.55 | 16.11 | 16.46 | — | 17.50 | 13.36 | 19.54 | 15.13 | 17.06 | 17.23 | 17.69 | — | 16.18 | 14.14 | 18.33 | 18.84 |
| Standard Deviation | | | — | — | — | 6.51 | 5.83 | 8.92 | 6.66 | 7.03 | 5.49 | 5.90 | — | 6.77 | 5.63 | 6.85 | 7.20 |
| MATH CONCEPTS | | | | | | | | | | | | | | | | | |
| Mean | 16.41 | 18.04 | 14.22 | 16.29 | — | 16.07 | 13.62 | 17.77 | 13.00 | 16.56 | 15.77 | 14.67 | — | 15.55 | 13.14 | 19.00 | 18.11 |
| Standard Deviation | | | — | — | — | 6.89 | 6.32 | 9.24 | 6.22 | 6.72 | 7.09 | 6.18 | — | 6.16 | 5.67 | 8.99 | 6.51 |
| MATH PROBLEM SOLVING | | | | | | | | | | | | | | | | | |
| Mean | 13.20 | 14.25 | 11.26 | 13.51 | — | 12.36 | 9.79 | 15.54 | 10.00 | 13.67 | 12.36 | 11.10 | — | 11.71 | 11.57 | 17.25 | 13.16 |
| Standard Deviation | | | — | — | — | 5.97 | 4.88 | 8.97 | 4.44 | 5.71 | 6.64 | 5.05 | — | 5.49 | 4.60 | 6.57 | 4.68 |
| LANGUAGE PART A | | | | | | | | | | | | | | | | | |
| Mean | 7.59 | 8.13 | 6.07 | 6.84 | — | 6.93 | 5.50 | 7.85 | 5.88 | 7.06 | 7.14 | 6.12 | — | 7.22 | 5.35 | 7.33 | 6.95 |
| Standard Deviation | | | — | — | — | 3.07 | 3.31 | 4.60 | 3.02 | 3.44 | 3.94 | 3.03 | — | 3.41 | 2.81 | 3.34 | 2.39 |
| LANGUAGE PART B | | | | | | | | | | | | | | | | | |
| Mean | 9.01 | 10.31 | 6.69 | 7.89 | — | 7.21 | 6.83 | 14.00 | 5.75 | 6.33 | 8.68 | 7.57 | — | 9.02 | 6.22 | 10.83 | 6.92 |
| Standard Deviation | | | — | — | — | 4.85 | 3.34 | 8.43 | 3.01 | 4.12 | 6.20 | 4.18 | — | 5.78 | 3.15 | 7.25 | 3.03 |
| BEST MATCH SITE | | | | | | Topeka, KS | | | Kansas City, MO | | | St. Louis, MO | | | Los Angeles, CA | | |

COHORT III-K STUDY
Non-Preschool Adjusted

**COHORT III-K STUDY**
**Non-Preschool Adjusted**

Table C16-IIIK-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K LOCAL ANALYSES FOR THE CALIFORNIA PROCESS MODEL

### CODE

FKW = Fall Kindergarten WRAT
OCCUP = Occupation
INCOME = Income
NOOCCUP = Missing Occupation
ETH1 = White vs. Black
SEX = Sex
ENTAGE = Entry Age
ETH2 = White vs. Other
LANG = First Language
NOINC = Missing Income

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .76587609 | .10290629 |
| OCCUP | .24161050 | .61962896 |
| INCOME | .33199211E-03 | .42152490E-03 |
| NOOCCUP | -1.4460198 | 4.9827240 |
| ETH1 | 7.2196413 | 4.6815142 |
| SEX | 4.0158775 | 2.2541584 |
| ENTAGE | -.29289179 | .29662818 |
| ETH2 | 5.7734087 | 4.2306211 |
| LANG | .18779588 | 6.6359624 |
| NOINC | .82057067 | 5.0112521 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .70128233 | .11809183 |
| OCCUP | -.29748652 | .71106556 |
| INCOME | .50196333E-03 | .48372794E-03 |
| NOOCCUP | 2.9422869 | 5.7180082 |
| ETH1 | 7.9115017 | 5.3723498 |
| SEX | 4.5212244 | 2.5867971 |
| ENTAGE | .11409968 | .34040062 |
| ETH2 | -1.7170405 | 4.8549199 |
| LANG | -.92455001 | 7.6152095 |
| NOINC | -3.2930886 | 5.7507460 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .55785136 | .80039580E-01 |
| OCCUP | -.66901674E-01 | .48194179 |
| INCOME | .19531717E-03 | .32785824E-03 |
| NOOCCUP | -3.1871305 | 3.8755176 |
| ETH1 | 5.0129124 | 3.6412393 |
| SEX | 4.7044147 | 1.7532640 |
| ENTAGE | -.24530127 | .23071471 |
| ETH2 | -.11709394 | 3.2905387 |
| LANG | 2.5036172 | 5.1613914 |
| NOINC | 2.6569040 | 3.8977064 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .18647727 | .44179400E-01 |
| OCCUP | .80497277E-01 | .26601713 |
| INCOME | .69966180E-04 | .18096772E-03 |
| NOOCCUP | 1.7594965 | 2.1391672 |
| ETH1 | 3.0488313 | 2.0098527 |
| SEX | 1.9633867 | .96774808 |
| ENTAGE | -.82692748E-01 | .12734746 |
| ETH2 | .38998314 | 1.8162767 |
| LANG | .25349745 | 2.8489302 |
| NOINC | -1.4774814 | 2.1514147 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .11535468 | .34823196E-01 |
| OCCUP | .74792347E-01 | .20960068 |
| INCOME | .88123336E-04 | .14264283E-03 |
| NOOCCUP | .62624894 | 1.6861397 |
| ETH1 | -.52268347 | 1.5842111 |
| SEX | -.12476466 | .76280080 |
| ENTAGE | .33187208E-01 | .10037813 |
| ETH2 | -1.4140201 | 1.4316302 |
| LANG | 1.8319387 | 2.2455908 |
| NOINC | -.89473299 | 1.6957935 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .18504706 | .59849002E-01 |
| OCCUP | .91426393E-01 | .36036840 |
| INCOME | -.11818293E-05 | .24515357E-03 |
| NOOCCUP | .76586561 | 2.8978895 |
| ETH1 | -1.6684478 | 2.7227097 |
| SEX | -.70649159E-01 | 1.3109901 |
| ENTAGE | -.21148388E-02 | .17251521 |
| ETH2 | -2.2521125 | 2.4604759 |
| LANG | 2.2417566 | 3.8593921 |
| NOINC | .65524258 | 2.9144811 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .60951011E-01 | .20703730E-01 |
| OCCUP | -.33843760E-01 | .12466323 |
| INCOME | -.42306895E-04 | .84806649E-04 |
| NOOCCUP | -.39601813E-01 | 1.0024749 |
| ETH1 | .46591319 | .94187444 |
| SEX | -.18094244 | .45351442 |
| ENTAGE | -.30459103E-02 | .59678662E-01 |
| ETH2 | .36945888E-01 | .85115921 |
| LANG | -.18267945 | 1.3350901 |
| NOINC | -.54936594 | 1.0082145 |

## Table C16-IIIK-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .78634258E-01 | .23626244E-01 |
| OCCUP | -.44780895E-01 | .14226054 |
| INCOME | .26904215E-04 | .96777855E-04 |
| NOOCCUP | .16358702 | 1.1439831 |
| ETH1 | -.66621533 | 1.0748283 |
| SEX | .99131856E-01 | .51753198 |
| ENTAGE | -.26729548E-01 | .68102831E-01 |
| ETH2 | -.59563527 | .97130782 |
| LANG | -2.0230671 | 1.5235499 |
| NOINC | -.49495507 | 1.1505328 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .48240137 | .67055386E-01 |
| OCCUP | .17350029 | .40376015 |
| INCOME | .23889934E-03 | .27467237E-03 |
| NOOCCUP | -1.6180946 | 3.2468227 |
| ETH1 | 2.6054003 | 3.0505496 |
| SEX | 1.7517658 | 1.4688457 |
| ENTAGE | -.19692753 | .19328767 |
| ETH2 | 3.9467410 | 2.7567404 |
| LANG | -.10010651 | 4.3240993 |
| NOINC | 1.0873608 | 3.2654121 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .28347472 | .45241714E-01 |
| OCCUP | .68110212E-01 | .27241363 |
| INCOME | .93092766E-04 | .18531918E-03 |
| NOOCCUP | .17207478 | 2.1906044 |
| ETH1 | 4.6142409 | 2.0581806 |
| SEX | 2.2641117 | .99101804 |
| ENTAGE | -.95964266E-01 | .13040959 |
| ETH2 | 1.8266677 | 1.8599500 |
| LANG | .28790439 | 2.9174340 |
| NOINC | -.26673014 | 2.2031465 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .29060582 | .47740199E-01 |
| OCCUP | -.10903939 | .28745774 |
| INCOME | .12743595E-03 | .19555347E-03 |
| NOOCCUP | .61200164 | 2.3115811 |
| ETH1 | 3.2583776 | 2.1718441 |
| SEX | 1.4097808 | 1.0457473 |
| ENTAGE | -.41225378E-02 | .13761149 |
| ETH2 | -.66282127 | 1.9628661 |
| LANG | .22748738 | 3.0785500 |
| NOINC | .12548165 | 2.3248158 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .22828053 | .47220340E-01 |
| OCCUP | -.98604613E-01 | .28432752 |
| INCOME | .22382152E-03 | .19342403E-03 |
| NOOCCUP | 1.6720034 | 2.2864095 |
| ETH1 | 2.8598958 | 2.1481941 |
| SEX | 1.7680423 | 1.0343598 |
| ENTAGE | .62618060E-01 | .13611299 |
| ETH2 | -1.1781618 | 1.9412940 |
| LANG | -1.3045591 | 3.0450267 |
| NOINC | -2.9545315 | 2.2995001 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .18239598 | .41194341E-01 |
| OCCUP | -.89842524E-01 | .24804321 |
| INCOME | .15070586E-03 | .16874032E-03 |
| NOOCCUP | .65828184 | 1.9946306 |
| ETH1 | 1.7932283 | 1.8740535 |
| SEX | 1.3434014 | .90236048 |
| ENTAGE | .55604153E-01 | .11874301 |
| ETH2 | .12394251 | 1.6935568 |
| LANG | .15252169 | 2.6564372 |
| NOINC | -.46403871 | 2.0060506 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .11305735 | .23273531E-01 |
| OCCUP | .10211307 | .14013675 |
| INCOME | .18965837E-04 | .95333070E-04 |
| NOOCCUP | .92633710E-01 | 1.1269047 |
| ETH1 | 1.4558855 | 1.0587823 |
| SEX | .87287142 | .50980581 |
| ENTAGE | .61107848E-02 | .67086132E-01 |
| ETH2 | -.59427643 | .95680729 |
| LANG | 2.1745600 | 1.5008050 |
| NOINC | -.20458297 | 1.1333566 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .73419919E-01 | .34554188E-01 |
| OCCUP | -.21615794E-01 | .20806090 |
| INCOME | .51000343E-04 | .14154091E-03 |
| NOOCCUP | 1.6668628 | 1.6731142 |
| ETH1 | 1.5929458 | 1.5719731 |
| SEX | 1.0905153 | .75690818 |
| ENTAGE | -.88803532E-01 | .99602714E-01 |
| ETH2 | .98425957 | 1.4205708 |
| LANG | -1.9210625 | 2.2282437 |
| NOINC | -1.2728984 | 1.6826935 |

## Table C16-IIIK(PS)-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K PRESCHOOL ADJUSTED LOCAL ANALYSES FOR THE CAL PROCESS MODEL

### CODE

SEX = Sex
ENTAGE = Entry Age
NOOCCUP = Missing Occupation
INCOME = Income
OCCUP = Occupation
NOINC = Missing Income
ETH1 = White vs. Black
ETH2 = White vs. Other
LANG = First Language
PSHS = Head Start
PSSOME = Some Preschool
FKW = Fall Kindergarten WRAT
FKWHS = FKW x Head Start
FKWSOME = FKW x Some Preschool

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 3.2948016 | 2.3233029 |
| ENTAGE | -.43103418 | .30554004 |
| NOOCCUP | -1.2894281 | 4.8810659 |
| INCOME | .68000132E-03 | .43348398E-03 |
| OCCUP | .25139444 | .63631086 |
| NOINC | -.69257980 | 4.9893019 |
| ETH1 | 8.9808571 | 4.7417282 |
| ETH2 | 4.7052162 | 4.2729546 |
| LANG | -1.5382307 | 7.1064369 |
| PSHS | 4.4453196 | 8.8213215 |
| PSSOME | -1.5820951 | 8.5624798 |
| FKW | .93909517 | .18387366 |
| FKWHS | -.18690768 | .24368912 |
| FKWSOME | -.15353790E-01 | .22006948 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 4.3845923 | 2.5184036 |
| ENTAGE | .78409915E-01 | .33119891 |
| NOOCCUP | 2.4115478 | 5.2909561 |
| INCOME | .43632518E-03 | .46988604E-03 |
| OCCUP | -.30498594 | .60974542 |
| NOINC | -5.6342364 | 5.4082813 |
| ETH1 | 11.140929 | 5.1399175 |
| ETH2 | -3.4141301 | 4.6317783 |
| LANG | -1.2240871 | 7.7032038 |
| PSHS | 3.4255367 | 9.5620968 |
| PSSOME | -2.0172328 | 9.2815112 |
| FKW | .81068081 | .19931455 |
| FKWHS | -.19502293 | .26415305 |
| FKWSOME | .40288182E-02 | .24722174 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 3.9719395 | 1.7779123 |
| ENTAGE | -.36274256 | .23381583 |
| NOOCCUP | -3.3653768 | 3.7352456 |
| INCOME | .11723371E-03 | .33172450E-03 |
| OCCUP | -.12058983 | .40693819 |
| NOINC | 1.6252705 | 3.8180735 |
| ETH1 | 6.1694640 | 3.6286172 |
| ETH2 | -1.0793990 | 3.2698872 |
| LANG | 2.3126782 | 5.4382153 |
| PSHS | 1.3111832 | 6.7505343 |
| PSSOME | -3.1295507 | 6.5524498 |
| FKW | .65902625 | .14070969 |
| FKWHS | -.13730261 | .18648360 |
| FKWSOME | .37383912E-01 | .17453064 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 2.0743184 | 1.0132693 |
| ENTAGE | -.10942193 | .13325651 |
| NOOCCUP | 1.7380780 | 2.1287943 |
| INCOME | .66695730E-04 | .18905671E-03 |
| OCCUP | .69773785E-01 | .27751692 |
| NOINC | -1.9705606 | 2.1759996 |
| ETH1 | 3.5444493 | 2.0680245 |
| ETH2 | -.90121804E-01 | 1.8635769 |
| LANG | .66646184 | 3.0993592 |
| PSHS | 1.7702188 | 3.0472781 |
| PSSOME | -1.2985505 | 3.7343776 |
| FKW | .21881505 | .80193385E-01 |
| FKWHS | -.56918262E-01 | .10628089 |
| FKWSOME | .15564070E-01 | .99408646E-01 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .14898959 | .73871094 |
| ENTAGE | .37712439E-02 | .97148948E-01 |
| NOOCCUP | .86766333 | 1.5519781 |
| INCOME | .92528707E-04 | .13782936E-03 |
| OCCUP | .42007100E-01 | .20231963 |
| NOINC | -1.4697977 | 1.5863846 |
| ETH1 | -.87326234E-01 | 1.5076667 |
| ETH2 | -1.7630280 | 1.3586148 |
| LANG | 2.3422976 | 2.2595429 |
| PSHS | 4.7701839 | 2.8048028 |
| PSSOME | 4.2128179 | 2.7225000 |
| FKW | .21895049 | .58463957E-01 |
| FKWHS | -.13540289 | .77482714E-01 |
| FKWSOME | -.12659067 | .72516337E-01 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.83134782 | 1.3148239 |
| ENTAGE | .18415625E-01 | .17291440 |
| NOOCCUP | .63358178 | 2.7623354 |
| INCOME | -.59104152E-04 | .24532104E-03 |
| OCCUP | .11497605 | .30010659 |
| NOINC | .14880378 | 2.8235893 |
| ETH1 | -1.7418342 | 2.6834802 |
| ETH2 | -2.1801601 | 2.4161877 |
| LANG | 1.5548309 | 4.0217367 |
| PSHS | .18078128 | 4.9922392 |
| PSSOME | 2.4322445 | 4.6457493 |
| FKW | .29339668 | .10405938 |
| FKWHS | -.65201662E-01 | .13791067 |
| FKWSOME | -.11349997 | .12907107 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.16334703 | .47029631 |
| ENTAGE | .24074671E-01 | .61849351E-01 |
| NOOCCUP | -.21173122 | .98805336 |
| INCOME | -.67702130E-04 | .87748315E-04 |
| OCCUP | -.35778657E-01 | .12880570 |
| NOINC | -.78285540 | 1.0099631 |
| ETH1 | .71427100 | .95984783 |
| ETH2 | -.14757431 | .86495599 |
| LANG | .51623231E-01 | 1.4385257 |
| PSHS | .48625618 | 1.7856625 |
| PSSOME | -.70021839 | 1.7332649 |
| FKW | .68902235E-01 | .37220761E-01 |
| FKWHS | -.30650622E-01 | .49328950E-01 |
| FKWSOME | .10693010E-01 | .46167133E-01 |

## Table C16-IIIK(PS)-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .47326293E-02 | .49833061 |
| ENTAGE | -.15730760E-01 | .65536182E-01 |
| NOOCCUP | -.25772521 | 1.0469511 |
| INCOME | .25916708E-04 | .92978979E-04 |
| OCCUP | -.44374454E-01 | .13648378 |
| NOINC | -.77893357 | 1.0701669 |
| ETH1 | -.19470582 | 1.0170642 |
| ETH2 | -.94728993 | .91651589 |
| LANG | -1.7313930 | 1.5242760 |
| PSHS | -2.1797337 | 1.8921056 |
| PSSOME | -.27980557 | 1.8365845 |
| FKW | .55749816E-01 | .39439485E-01 |
| FKWHS | .63870390E-01 | .52269442E-01 |
| FKWSOME | .20640962E-01 | .48919149E-01 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 1.3076406 | 1.4963385 |
| ENTAGE | -.27901495 | .19678565 |
| NOOCCUP | -1.5936014 | 3.1436824 |
| INCOME | .61482670E-03 | .27918820E-03 |
| OCCUP | .17975595 | .40982018 |
| NOINC | .10997162 | 3.2133926 |
| ETH1 | 3.8779686 | 3.0539411 |
| ETH2 | 2.9941500 | 2.7520244 |
| LANG | -.39808161 | 4.5769472 |
| PSHS | 3.9949501 | 5.6814298 |
| PSSOME | -.43414436 | 5.5147167 |
| FKW | .57632860 | .11842543 |
| FKWHS | -.12002000 | .15694957 |
| FKWSOME | .20468504E-02 | .14688964 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 1.9871610 | 1.0202858 |
| ENTAGE | -.15201923 | .13417927 |
| NOOCCUP | .30417338 | 2.1435355 |
| INCOME | .65174622E-04 | .19036586E-03 |
| OCCUP | .71638489E-01 | .27943793 |
| NOINC | -.80255141 | 2.1910677 |
| ETH1 | 5.1029485 | 2.0823449 |
| ETH2 | 1.7110662 | 1.8764815 |
| LANG | -1.1401491 | 3.1208142 |
| PSHS | .45036948 | 3.8739112 |
| PSSOME | -1.1479507 | 3.7602370 |
| FKW | .36276657 | .80748699E-01 |
| FKWHS | -.66887694E-01 | .10701685 |
| FKWSOME | -.17400640E-01 | .10015743 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 1.1090862 | 1.0224532 |
| ENTAGE | -.41342532E-01 | .13446431 |
| NOOCCUP | .57299171 | 2.1480890 |
| INCOME | .96433358E-04 | .19077025E-03 |
| OCCUP | -.82589006E-01 | .28003153 |
| NOINC | -.92247260 | 2.1957221 |
| ETH1 | 4.9611216 | 2.0867684 |
| ETH2 | -1.3874261 | 1.8804677 |
| LANG | -.49751439 | 3.1274437 |
| PSHS | 1.3688838 | 3.8821465 |
| PSSOME | .62501637 | 3.7682248 |
| FKW | .36102797 | .80920231E-01 |
| FKWHS | -.79170370E-01 | .10724418 |
| FKWSOME | -.41125101E-01 | .10037020 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 1.9115207 | 1.0091047 |
| ENTAGE | .59176871E-01 | .13270883 |
| NOOCCUP | 1.3349285 | 2.1200449 |
| INCOME | .19748730E-03 | .18827968E-03 |
| OCCUP | -.11724732 | .27637562 |
| NOINC | -4.0470398 | 2.1670562 |
| ETH1 | 4.1083002 | 2.0595249 |
| ETH2 | -1.9330216 | 1.8559175 |
| LANG | -1.0084191 | 3.0866138 |
| PSHS | 1.6117954 | 3.8314577 |
| PSSOME | -1.5834051 | 3.7190293 |
| FKW . | .26062439 | .79863788E-01 |
| FKWHS | -.78955740E-01 | .10584487 |
| FKWSOME | .23020594E-01 | .99059827E-01 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 1.3639855 | .90963822 |
| ENTAGE | .60575577E-01 | .11962784 |
| NOOCCUP | .50362755 | 1.9110741 |
| INCOME | .14240452E-03 | .16972113E-03 |
| OCCUP | -.10514961 | .24913354 |
| NOINC | -.66472408 | 1.9534516 |
| ETH1 | 2.0714987 | 1.8565195 |
| ETH2 | -.93682443E-01 | 1.6729815 |
| LANG | .28184639 | 2.7823692 |
| PSHS | .44485754 | 3.4537946 |
| PSSOME | -1.0608441 | 3.3524481 |
| FKW | .18842845 | .71991691E-01 |
| FKWHS | -.36896817E-01 | .95411121E-01 |
| FKWSOME | .22133325E-01 | .89295595E-01 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .83263020 | .51589973 |
| ENTAGE | -.16363780E-02 | .67846722E-01 |
| NOOCCUP | .21206586 | 1.0838693 |
| INCOME | .16847875E-04 | .96257042E-04 |
| OCCUP | .10888987 | .14129565 |
| NOINC | -.57565118 | 1.1078966 |
| ETH1 | 1.8112227 | 1.0529218 |
| ETH2 | -.72890323 | .94802853 |
| LANG | 1.8360172 | 1.5780158 |
| PSHS | 2.4202409 | 1.9588136 |
| PSSOME | -.48705074E-01 | 1.9013351 |
| FKW | .14931553 | .40829962E-01 |
| FKWHS | -.64086317E-01 | .54112251E-01 |
| FKWSOME | -.15210943E-01 | .50643840E-01 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 1.2416882 | .78921077 |
| ENTAGE | -.10778556 | .10379075 |
| NOOCCUP | 1.5260091 | 1.6580661 |
| INCOME | .43847854E-04 | .14725167E-03 |
| OCCUP | -.39116087E-01 | .21615063 |
| NOINC | -1.3949094 | 1.6948331 |
| ETH1 | 1.7332266 | 1.6107340 |
| ETH2 | .63878142 | 1.4514946 |
| LANG | -1.1695554 | 2.4140100 |
| PSHS | -.65002212 | 2.9965450 |
| PSSOME | -1.2498454 | 2.9086158 |
| FKW | .69499522E-01 | .62460675E-01 |
| FKWHS | .72680552E-02 | .82779595E-01 |
| FKWSOME | .30775014E-01 | .77473706E-01 |

Table C16-IIIK(PS)-26

## TREATMENT REGRESSION COEFFICIENTS AND STANDARD ERRORS BY OUTCOME FOR HEAD START STUDIES OF COHORT III-K SITES IN THE CALIFORNIA PROCESS MODEL

| | Los Angeles, CA | | Ravenswood, CA | | Oakland, CA | | San Jose, CA | |
|---|---|---|---|---|---|---|---|---|
| | Pooled | Local | Pooled | Local | Pooled | Local | Pooled | Local |
| **Word Knowledge** | | | | | | | | |
| b | 2.77* | -.75 | -3.93** | -2.25 | -3.59* | | -10.39** | -6.62 |
| Standard Error | 1.04 | 2.66 | 1.34 | 3.73 | 1.39 | | 1.46 | 4.29 |
| **Spelling** | | | | | | | | |
| b | 6.49** | 3.45 | -6.55** | -4.27 | -3.16 | | -1.58 | -.24 |
| Standard Error | 1.23 | 3.16 | 1.59 | 4.43 | 1.60 | | 1.79 | 5.10 |
| **Language** | | | | | | | | |
| b | 2.02* | .64 | -1.98* | -1.03 | -2.47* | | -.80 | -3.22 |
| Standard Error | .76 | 1.80 | .81 | 2.52 | .93 | | .94 | 2.91 |
| **Math Computations** | | | | | | | | |
| b | 1.71** | 4.74** | -2.13** | -.57 | .04 | | -1.04 | -.39 |
| Standard Error | .60 | 1.79 | 1.04 | 2.51 | .83 | | .89 | 2.90 |
| **Raven's** | | | | | | | | |
| b | -.57 | -.27 | -.32 | -.28 | -3.02** | | 2.35** | 1.28 |
| Standard Error | .47 | 1.31 | .96 | 1.84 | .63 | | .67 | 2.12 |
| **Reading** | | | | | | | | |
| b | 2.02** | .92 | -1.35 | -1.02 | -2.41* | | -4.50** | -1.66 |
| Standard Error | .65 | 1.81 | .86 | 2.54 | .90 | | 1.06 | 2.93 |
| **Math Concepts** | | | | | | | | |
| b | 2.40** | .98 | -1.78* | -1.45 | -2.09* | | -3.26** | -2.51 |
| Standard Error | .74 | 1.82 | .83 | 2.55 | .86 | | .87 | 2.93 |
| **Math Problem Solving** | | | | | | | | |
| b | 1.07 | .64 | -1.99** | -2.89 | -1.56* | | -2.84** | -2.80 |
| Standard Error | .58 | 1.62 | .68 | 2.27 | .77 | | .66 | 2.61 |
| **Coopersmith** | | | | | | | | |
| b | 1.10 | -.03 | 2.54* | 3.62 | -3.75** | | 8.38** | 4.45 |
| Standard Error | .81 | 2.34 | 1.14 | 3.27 | 1.14 | | 1.25 | 3.77 |
| **IARS(-)** | | | | | | | | |
| b | .36 | .60 | -.18 | .68 | -1.23** | | -1.40* | -1.14 |
| Standard Error | .27 | .89 | .58 | 1.24 | .33 | | .53 | 1.43 |
| **IARS(+)** | | | | | | | | |
| b | .50 | 1.43 | -1.17 | -.62 | -.77* | | 1.19* | 1.54 |
| Standard Error | .25 | .84 | .59 | 1.17 | .32 | | .44 | 1.35 |
| **Total Reading** | | | | | | | | |
| b | 4.79** | .17 | -5.27* | -3.27 | -6.00** | | -14.88** | -8.29 |
| Standard Error | 1.59 | 4.13 | 2.00 | 5.79 | 2.10 | | 2.39 | 6.67 |
| **Total Math** | | | | | | | | |
| b | 5.18** | 6.37 | -5.30* | -4.91 | -3.61 | | -7.14** | -5.69 |
| Standard Error | 1.65 | 4.48 | 2.16 | 6.27 | 2.07 | | 1.95 | 7.23 |
| **Language Part A** | | | | | | | | |
| b | .70* | .74 | -2.27** | -.74 | -1.74** | | .50 | .37 |
| Standard Error | .30 | .92 | .45 | 1.28 | .40 | | .52 | 1.48 |
| **Language Part B** | | | | | | | | |
| b | 1.23* | -.10 | .29 | -.26 | -.73 | | -1.30 | -3.59 |
| Standard Error | .61 | 1.40 | .69 | 1.97 | .72 | | .79 | 2.26 |

* p< .05
** p< .01

## Table C16-IIIK(PS)-27

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR CAL PROCESS MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 53 | 127 | 28 | 208 | 20 | 10 | 26 | 56 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 37.60 | 35.75 | 32.61 | 35.80 | 30.20 | 37.70 | 29.77 | 31.34 |
| STANDARD DEVIATION | 11.63 | 12.71 | 14.24 | 12.69 | 10.58 | 12.59 | 11.51 | 11.57 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.66 | 13.49 | 13.89 | 13.58 | 14.06 | 14.40 | 13.61 | 13.92 |
| STANDARD DEVIATION | 1.67 | 1.82 | 1.90 | 1.77 | 2.10 | 1.96 | 1.92 | 1.98 |
| NUMBER | 29 | 59 | 9 | 97 | 18 | 10 | 23 | 51 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4286.63 | 4672.10 | 5079.90 | 4597.98 | 3810.47 | 6039.90 | 5087.42 | 4809.36 |
| STANDARD DEVIATION | 2275.68 | 2555.00 | 2917.88 | 2498.11 | 2317.87 | 2183.68 | 3020.56 | 2722.50 |
| MEDIAN | 4000.00 | 4400.00 | 5100.00 | 4239.80 | 3200.00 | 5800.00 | 4366.83 | 4249.75 |
| NUMBER | 30 | 61 | 10 | 101 | 19 | 10 | 24 | 53 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 3.33 | 3.28 | 10.00 | 3.96 | 5.26 | 10.00 | 8.33 | 7.55 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | .79 | 3.57 | .96 | 5.00 | 10.00 | 7.69 | 7.14 |
| PERCENT BLACK | 94.34 | 79.53 | 82.14 | 83.65 | 70.00 | 70.00 | 57.69 | 64.29 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 47.17 | 56.69 | 42.86 | 52.40 | 35.00 | 70.00 | 53.85 | 50.00 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 64.28 | 64.69 | 63.29 | 64.39 | 63.36 | 65.02 | 64.80 | 64.33 |
| STANDARD DEVIATION | 3.71 | 3.54 | 3.56 | 3.60 | 3.61 | 6.42 | 4.88 | 4.75 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 94.34 | 80.32 | 85.71 | 84.62 | 85.00 | 80.00 | 80.77 | 82.14 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.26 | 11.52 | 12.44 | 11.84 | 10.76 | 12.98 | 10.50 | 11.09 |
| STANDARD DEVIATION | 2.33 | 3.21 | .96 | 2.80 | 4.44 | 1.91 | 3.95 | 3.89 |
| NUMBER | 29 | 58 | 11 | 98 | 18 | 10 | 22 | 50 |
| PERCENT HS GRAD | 65.52 | 56.90 | 72.73 | 61.22 | 55.56 | 60.00 | 40.91 | 50.00 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 26.67 | 44.44 | 54.55 | 40.38 | 68.42 | 30.00 | 30.77 | 43.64 |
| NUMBER | 30 | 63 | 11 | 104 | 19 | 10 | 26 | 55 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 25.48 | 100.00 | 0.00 | 0.00 | 35.71 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 61.06 | 0.00 | 100.00 | 0.00 | 17.86 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 13.46 | 0.00 | 0.00 | 100.00 | 46.43 |

## Table C16-IIIK(PS)-28

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR CAL PROCESS MODEL IN LOS ANGELES, CA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 33 | 44 | 17 | 94 | 16 | 2 | 15 | 33 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 41.70 | 44.14 | 37.47 | 42.07 | 29.19 | 43.00 | 28.60 | 29.76 |
| STANDARD DEVIATION | 10.75 | 9.66 | 14.60 | 11.21 | 9.73 | 5.66 | 12.38 | 11.14 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.67 | 13.69 | 14.80 | 13.85 | 14.40 | 13.00 | 12.92 | 13.67 |
| STANDARD DEVIATION | 1.72 | 1.66 | 2.17 | 1.75 | 1.99 | 0.00 | 1.66 | 1.90 |
| NUMBER | 12 | 16 | 5 | 33 | 15 | 2 | 13 | 30 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 5099.92 | 5294.33 | 6299.80 | 5371.31 | 3656.19 | 5300.00 | 5135.64 | 4406.19 |
| STANDARD DEVIATION | 2109.94 | 2908.92 | 3250.87 | 2659.03 | 2207.36 | 1272.79 | 3121.67 | 2660.56 |
| MEDIAN | 4400.00 | 4400.00 | 6800.00 | 4950.00 | 2750.00 | 5300.00 | 4299.50 | 3766.83 |
| NUMBER | 12 | 18 | 5 | 35 | 16 | 2 | 14 | 32 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 8.33 | 11.11 | 20.00 | 11.43 | 6.25 | 0.00 | 7.14 | 6.25 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT BLACK | 100.00 | 100.00 | 100.00 | 100.00 | 81.25 | 100.00 | 80.00 | 81.82 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 54.55 | 56.82 | 41.18 | 53.19 | 37.50 | 50.00 | 53.33 | 45.45 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 64.38 | 64.96 | 63.79 | 64.54 | 62.92 | 60.23 | 63.16 | 62.87 |
| STANDARD DEVIATION | 3.38 | 3.39 | 3.83 | 3.46 | 3.53 | 3.42 | 3.52 | 3.48 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 93.75 | 100.00 | 93.33 | 93.94 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.99 | 12.40 | 12.66 | 12.64 | 10.92 | 11.98 | 10.10 | 10.66 |
| STANDARD DEVIATION | 1.28 | 2.08 | .84 | 1.67 | 3.82 | 1.45 | 3.68 | 3.61 |
| NUMBER | 11 | 17 | 6 | 34 | 16 | 2 | 12 | 30 |
| PERCENT HS GRAD | 81.82 | 70.59 | 83.33 | 76.47 | 56.25 | 50.00 | 33.33 | 46.67 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 16.67 | 47.37 | 50.00 | 37.84 | 81.25 | 0.00 | 40.00 | 57.58 |
| NUMBER | 12 | 19 | 6 | 37 | 16 | 2 | 15 | 33 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 35.11 | 100.00 | 0.00 | 0.00 | 48.48 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 46.81 | 0.00 | 100.00 | 0.00 | 6.06 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 18.09 | 0.00 | 0.00 | 100.00 | 45.45 |

## Table C16-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR CAL PROCESS MODEL IN RAVENSWOOD, CA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 12 | 20 | 2 | 34 | 3 | 5 | 3 | 11 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 31.08 | 29.95 | 28.00 | 30.24 | 27.33 | 35.00 | 25.00 | 30.18 |
| STANDARD DEVIATION | 10.59 | 9.78 | 18.38 | 10.17 | 5.03 | 16.51 | 3.61 | 11.78 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.60 | 13.00 | 13.00 | 13.23 | 11.50 | 15.40 | 13.67 | 14.10 |
| STANDARD DEVIATION | 1.78 | 1.73 | 0.00 | 1.70 | 2.12 | 1.95 | 2.89 | 2.56 |
| NUMBER | 10 | 15 | 1 | 26 | 2 | 5 | 3 | 10 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 3220.00 | 5440.00 | 1750.00 | 4344.44 | 6200.00 | 6279.80 | 3000.00 | 5279.90 |
| STANDARD DEVIATION | 1576.07 | 2302.73 | 353.55 | 2327.32 | 2545.58 | 2581.69 | 1732.05 | 2612.50 |
| MEDIAN | 3200.00 | 5762.50 | 1750.00 | 4250.00 | 6200.00 | 5700.00 | 2750.00 | 4500.00 |
| NUMBER | 10 | 15 | 2 | 27 | 2 | 5 | 3 | 10 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.00 | 0.00 | 10.00 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT BLACK | 100.00 | 95.00 | 100.00 | 97.06 | 33.33 | 100.00 | 100.00 | 81.82 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 41.67 | 65.00 | 100.00 | 58.82 | 33.33 | 80.00 | 0.00 | 45.45 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 65.07 | 63.80 | 59.42 | 63.99 | 66.64 | 64.39 | 68.89 | 66.23 |
| STANDARD DEVIATION | 4.46 | 3.71 | 1.55 | 4.04 | 2.88 | 4.07 | 3.24 | 3.77 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 95.00 | 100.00 | 97.06 | 33.33 | 100.00 | 100.00 | 81.82 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 11.62 | 12.29 | 11.98 | 12.00 | 9.50 | 12.98 | 9.95 | 11.37 |
| STANDARD DEVIATION | 2.56 | 1.72 | 1.45 | 2.03 | 10.61 | 2.03 | 1.73 | 4.23 |
| NUMBER | 10 | 13 | 2 | 25 | 2 | 5 | 3 | 10 |
| PERCENT HS GRAD | 50.00 | 69.23 | 50.00 | 60.00 | 50.00 | 60.00 | 0.00 | 40.00 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 40.00 | 26.67 | 50.00 | 33.33 | 0.00 | 40.00 | 33.33 | 30.00 |
| NUMBER | 10 | 15 | 2 | 27 | 2 | 5 | 3 | 10 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 35.29 | 100.00 | 0.00 | 0.00 | 27.27 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 58.82 | 0.00 | 100.00 | 0.00 | 45.45 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 5.88 | 0.00 | 0.00 | 100.00 | 27.27 |

Table C16-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR CAL PROCESS MODEL IN OAKLAND, CA ; NO LOCAL NFT COMPARASION

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 5 | 38 | 4 | 47 | 0 | 0 | 0 | 0 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 34.00 | 31.95 | 29.50 | 31.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 6.56 | 13.73 | 11.03 | 12.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.00 | 14.19 | 12.50 | 14.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 1.87 | 2.32 | .71 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| NUMBER | 5 | 16 | 2 | 23 | 0 | 0 | 0 | 0 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4300.00 | 3800.00 | 5300.00 | 4050.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 2597.11 | 2108.49 | 2121.32 | 2161.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| MEDIAN | 3800.00 | 3200.00 | 5300.00 | 3750.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NUMBER | 5 | 15 | 2 | 22 | 0 | 0 | 0 | 0 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT BLACK | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 40.00 | 55.26 | 50.00 | 53.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 62.21 | 64.75 | 64.57 | 64.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 4.63 | 3.57 | 3.72 | 3.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 13.39 | 12.85 | 13.00 | 12.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 1.69 | 1.79 | 0.00 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| NUMBER | 5 | 15 | 2 | 22 | 0 | 0 | 0 | 0 |
| PERCENT HS GRAD | 80.00 | 60.00 | 100.00 | 68.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 40.00 | 62.50 | 50.00 | 56.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| NUMBER | 5 | 16 | 2 | 23 | 0 | 0 | 0 | 0 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 10.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 80.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 8.51 | 0.00 | 0.00 | 0.00 | 0.00 |

## Table C16-IIIK(PS)-28 (cont.)

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR CAL PROCESS MODEL IN SAN JOSE, CA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 3 | 25 | 5 | 33 | 1 | 3 | 8 | 12 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 24.67 | 31.40 | 20.40 | 29.12 | 55.00 | 38.67 | 33.75 | 36.75 |
| STANDARD DEVIATION | 12.10 | 10.71 | 5.81 | 10.82 | 0.00 | 10.21 | 11.50 | 11.87 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.00 | 12.92 | 13.00 | 12.93 | 14.00 | 13.67 | 14.86 | 14.45 |
| STANDARD DEVIATION | 1.41 | 1.08 | 0.00 | 1.03 | 0.00 | 2.08 | 1.57 | 1.63 |
| NUMBER | 2 | 12 | 1 | 15 | 1 | 3 | 7 | 11 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4566.67 | 3930.77 | 5200.00 | 4117.65 | 1500.00 | 6133.33 | 5885.57 | 5554.45 |
| STANDARD DEVIATION | 4020.36 | 2532.91 | 0.00 | 2640.37 | 0.00 | 2571.64 | 3151.73 | 3017.26 |
| MEDIAN | 2500.00 | 3200.00 | 5200.00 | 3200.00 | 1500.00 | 7200.00 | 6800.00 | 6800.00 |
| NUMBER | 3 | 13 | 1 | 17 | 1 | 3 | 7 | 11 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.29 | 9.09 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 0.00 | 4.00 | 20.00 | 6.06 | 100.00 | 33.33 | 25.00 | 33.33 |
| PERCENT BLACK | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 0.00 | 52.00 | 20.00 | 42.42 | 0.00 | 66.67 | 75.00 | 66.67 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 63.41 | 64.83 | 62.09 | 64.29 | 60.58 | 69.28 | 66.34 | 66.59 |
| STANDARD DEVIATION | 2.93 | 3.70 | 1.94 | 3.51 | 0.00 | 9.77 | 6.46 | 7.02 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 0.00 | 4.00 | 20.00 | 6.06 | 100.00 | 33.33 | 50.00 | 50.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 9.80 | 8.09 | 10.95 | 8.56 | 0.00 | 13.65 | 11.42 | 12.09 |
| STANDARD DEVIATION | 3.90 | 4.45 | 0.00 | 4.19 | 0.00 | 2.34 | 5.22 | 4.54 |
| NUMBER | 3 | 13 | 1 | 17 | 0 | 3 | 7 | 10 |
| PERCENT HS GRAD | 33.33 | 23.08 | 0.00 | 23.53 | 0.00 | 66.67 | 71.43 | 70.00 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 0.00 | 38.46 | 100.00 | 35.29 | 0.00 | 33.33 | 12.50 | 16.67 |
| NUMBER | 3 | 13 | 1 | 17 | 1 | 3 | 8 | 12 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 9.09 | 100.00 | 0.00 | 0.00 | 8.33 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 75.76 | 0.00 | 100.00 | 0.00 | 25.00 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 15.15 | 0.00 | 0.00 | 100.00 | 66.67 |

## Table C16-IIIK(PS)-29

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR CAL PROCESS MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 53 | 127 | 28 | 208 | 20 | 10 | 26 | 56 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 19.62 | 20.38 | 18.46 | 19.93 | 20.50 | 26.80 | 18.81 | 20.84 |
| STANDARD DEVIATION | 9.93 | 10.21 | 11.26 | 10.25 | 11.51 | 11.69 | 11.05 | 11.49 |
| SPELLING | | | | | | | | |
| MEAN | 13.36 | 17.08 | 15.68 | 15.94 | 11.80 | 21.20 | 13.62 | 14.32 |
| STANDARD DEVIATION | 12.23 | 11.97 | 12.94 | 12.21 | 13.17 | 12.25 | 13.67 | 13.44 |
| LANGUAGE | | | | | | | | |
| MEAN | 12.79 | 13.52 | 12.79 | 13.24 | 14.30 | 13.20 | 13.35 | 13.66 |
| STANDARD DEVIATION | 5.73 | 6.17 | 5.90 | 6.01 | 5.55 | 7.93 | 6.92 | 6.55 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 15.98 | 17.30 | 15.64 | 16.74 | 13.80 | 17.20 | 14.58 | 14.77 |
| STANDARD DEVIATION | 5.24 | 6.94 | 6.12 | 6.45 | 5.59 | 6.11 | 6.74 | 6.24 |
| RAVENS | | | | | | | | |
| MEAN | 17.11 | 17.51 | 16.68 | 17.30 | 17.50 | 18.10 | 17.31 | 17.52 |
| STANDARD DEVIATION | 4.20 | 4.49 | 5.38 | 4.53 | 4.26 | 3.70 | 4.45 | 4.20 |
| READING | | | | | | | | |
| MEAN | 15.42 | 16.28 | 17.96 | 16.28 | 15.70 | 19.40 | 16.00 | 16.50 |
| STANDARD DEVIATION | 6.52 | 6.89 | 7.65 | 6.91 | 7.87 | 7.57 | 7.42 | 7.60 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 13.55 | 15.41 | 14.54 | 14.82 | 15.00 | 15.50 | 13.96 | 14.61 |
| STANDARD DEVIATION | 6.23 | 6.31 | 7.76 | 6.52 | 6.59 | 8.78 | 6.09 | 6.70 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 10.43 | 12.20 | 11.07 | 11.60 | 10.90 | 13.80 | 12.04 | 11.95 |
| STANDARD DEVIATION | 5.12 | 5.43 | 5.81 | 5.43 | 4.70 | 6.34 | 5.67 | 5.47 |
| COOPERSMITH | | | | | | | | |
| MEAN | 35.47 | 35.76 | 35.11 | 35.60 | 32.35 | 32.00 | 33.92 | 33.02 |
| STANDARD DEVIATION | 7.90 | 7.55 | 7.43 | 7.59 | 7.74 | 6.53 | 6.64 | 6.96 |
| IARS(-) | | | | | | | | |
| MEAN | 9.34 | 9.43 | 9.11 | 9.36 | 8.60 | 10.50 | 8.92 | 9.09 |
| STANDARD DEVIATION | 2.99 | 2.66 | 2.96 | 2.78 | 3.20 | 2.22 | 2.31 | 2.69 |
| IARS(+) | | | | | | | | |
| MEAN | 12.34 | 12.54 | 12.61 | 12.50 | 11.65 | 12.80 | 11.77 | 11.91 |
| STANDARD DEVIATION | 2.95 | 2.45 | 2.50 | 2.58 | 2.85 | 1.81 | 2.16 | 2.38 |
| TOTAL READING | | | | | | | | |
| MEAN | 35.04 | 36.65 | 36.43 | 36.21 | 36.20 | 46.20 | 34.81 | 37.34 |
| STANDARD DEVIATION | 15.30 | 16.08 | 18.24 | 16.13 | 18.56 | 18.70 | 17.99 | 18.47 |
| TOTAL MATH | | | | | | | | |
| MEAN | 39.96 | 44.91 | 41.25 | 43.15 | 39.70 | 46.50 | 40.58 | 41.32 |
| STANDARD DEVIATION | 14.71 | 16.48 | 18.19 | 16.37 | 15.21 | 19.63 | 16.42 | 16.48 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.62 | 6.15 | 6.39 | 6.30 | 6.65 | 6.90 | 5.58 | 6.20 |
| STANDARD DEVIATION | 3.10 | 3.08 | 3.12 | 3.08 | 3.20 | 3.07 | 3.69 | 3.41 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 6.17 | 7.37 | 6.39 | 6.93 | 7.65 | 6.30 | 7.77 | 7.46 |
| STANDARD DEVIATION | 4.06 | 4.38 | 3.77 | 4.24 | 3.88 | 6.86 | 4.65 | 4.80 |

## Table C16-IIIK(PS)-30

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR CAL PROCESS MODEL IN LOS ANGELES, CA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 33 | 44 | 17 | 94 | 16 | 2 | 15 | 33 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 19.91 | 22.23 | 21.00 | 21.19 | 17.69 | 16.00 | 16.00 | 16.82 |
| STANDARD DEVIATION | 9.62 | 10.72 | 10.28 | 10.21 | 9.90 | 0.00 | 9.10 | 9.11 |
| SPELLING | | | | | | | | |
| MEAN | 13.15 | 19.25 | 17.82 | 16.85 | 7.88 | 8.50 | 9.07 | 8.45 |
| STANDARD DEVIATION | 11.75 | 12.34 | 13.82 | 12.59 | 10.64 | 9.19 | 12.79 | 11.30 |
| LANGUAGE | | | | | | | | |
| MEAN | 12.76 | 15.05 | 14.76 | 14.19 | 12.69 | 9.50 | 12.00 | 12.18 |
| STANDARD DEVIATION | 6.12 | 7.27 | 5.77 | 6.65 | 3.72 | .71 | 6.04 | 4.80 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 16.42 | 18.80 | 17.12 | 17.66 | 12.12 | 16.50 | 12.73 | 12.67 |
| STANDARD DEVIATION | 5.04 | 7.22 | 6.79 | 6.48 | 3.69 | 2.12 | 6.77 | 5.25 |
| RAVENS | | | | | | | | |
| MEAN | 17.24 | 17.91 | 17.53 | 17.61 | 17.37 | 18.00 | 16.33 | 16.94 |
| STANDARD DEVIATION | 4.01 | 4.80 | 5.75 | 4.68 | 3.52 | 5.66 | 4.55 | 4.02 |
| READING | | | | | | | | |
| MEAN | 16.61 | 17.95 | 19.00 | 17.67 | 14.44 | 15.00 | 13.87 | 14.21 |
| STANDARD DEVIATION | 6.16 | 6.75 | 9.01 | 6.99 | 6.23 | 2.83 | 6.12 | 5.91 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 14.64 | 17.16 | 16.53 | 16.16 | 13.69 | 10.50 | 12.13 | 12.79 |
| STANDARD DEVIATION | 6.01 | 6.88 | 8.53 | 6.94 | 5.10 | 6.36 | 5.59 | 5.30 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 11.48 | 13.14 | 12.29 | 12.40 | 9.63 | 10.00 | 9.87 | 9.76 |
| STANDARD DEVIATION | 5.52 | 6.23 | 6.54 | 6.03 | 3.95 | 7.07 | 4.03 | 4.00 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.24 | 36.61 | 35.88 | 36.35 | 32.62 | 35.50 | 34.13 | 33.48 |
| STANDARD DEVIATION | 8.93 | 7.00 | 7.66 | 7.77 | 8.37 | 4.95 | 6.10 | 7.12 |
| IARS(-) | | | | | | | | |
| MEAN | 9.76 | 10.27 | 8.59 | 9.79 | 8.75 | 9.50 | 8.73 | 8.79 |
| STANDARD DEVIATION | 2.59 | 2.56 | 3.26 | 2.75 | 3.13 | .71 | 2.63 | 2.77 |
| IARS(+) | | | | | | | | |
| MEAN | 12.45 | 13.30 | 12.24 | 12.81 | 11.25 | 13.00 | 11.47 | 11.45 |
| STANDARD DEVIATION | 2.73 | 2.09 | 2.97 | 2.51 | 2.86 | 0.00 | 2.50 | 2.60 |
| TOTAL READING | | | | | | | | |
| MEAN | 36.52 | 40.18 | 40.00 | 38.86 | 32.12 | 31.00 | 29.87 | 31.03 |
| STANDARD DEVIATION | 14.52 | 16.69 | 19.08 | 16.34 | 15.40 | 2.83 | 14.60 | 14.35 |
| TOTAL MATH | | | | | | | | |
| MEAN | 42.55 | 49.09 | 45.94 | 46.22 | 35.44 | 37.00 | 34.73 | 35.21 |
| STANDARD DEVIATION | 14.83 | 18.24 | 20.45 | 17.61 | 10.66 | 15.56 | 13.43 | 11.84 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.79 | 6.91 | 7.53 | 6.98 | 5.94 | 6.00 | 5.07 | 5.55 |
| STANDARD DEVIATION | 3.22 | 3.12 | 2.53 | 3.04 | 3.07 | 0.00 | 3.43 | 3.12 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 5.97 | 8.14 | 7.24 | 7.21 | 6.75 | 3.50 | 6.93 | 6.64 |
| STANDARD DEVIATION | 4.63 | 5.22 | 4.02 | 4.87 | 2.82 | .71 | 3.31 | 3.03 |

## Table C16-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR CAL PROCESS MODEL IN RAVENSWOOD, CA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 12 | 20 | 2 | 34 | 3 | 5 | 3 | 11 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 20.58 | 20.60 | 21.50 | 20.65 | 26.00 | 28.20 | 10.33 | 22.73 |
| STANDARD DEVIATION | 11.00 | 8.91 | 21.92 | 10.03 | 3.00 | 8.01 | 7.51 | 10.15 |
| SPELLING | | | | | | | | |
| MEAN | 16.17 | 16.55 | 20.00 | 16.62 | 24.00 | 27.20 | 10.67 | 21.82 |
| STANDARD DEVIATION | 14.71 | 11.41 | 19.80 | 12.64 | 10.39 | 6.65 | 12.66 | 11.16 |
| LANGUAGE | | | | | | | | |
| MEAN | 12.83 | 11.10 | 7.50 | 11.50 | 18.33 | 13.80 | 7.00 | 13.18 |
| STANDARD DEVIATION | 5.47 | 4.67 | 2.12 | 4.94 | 7.09 | 9.15 | 1.00 | 7.96 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 14.08 | 15.85 | 12.00 | 15.00 | 20.33 | 17.80 | 13.00 | 17.18 |
| STANDARD DEVIATION | 5.92 | 7.81 | 1.41 | 6.94 | 9.07 | 5.40 | 2.65 | 6.16 |
| RAVENS | | | | | | | | |
| MEAN | 16.92 | 16.25 | 16.00 | 16.47 | 15.67 | 18.40 | 13.33 | 16.27 |
| STANDARD DEVIATION | 4.62 | 3.26 | 1.41 | 3.66 | 6.81 | 1.34 | 1.15 | 3.90 |
| READING | | | | | | | | |
| MEAN | 12.92 | 13.55 | 21.00 | 13.76 | 15.33 | 18.00 | 11.00 | 15.36 |
| STANDARD DEVIATION | 6.83 | 5.98 | 7.07 | 6.41 | 7.64 | 5.43 | 3.61 | 5.94 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 11.08 | 14.60 | 8.50 | 13.00 | 16.67 | 15.80 | 13.00 | 15.27 |
| STANDARD DEVIATION | 6.68 | 4.95 | 6.36 | 5.86 | 8.50 | 6.02 | 3.46 | 5.80 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 8.33 | 11.20 | 4.50 | 9.79 | 14.67 | 13.20 | 10.00 | 12.73 |
| STANDARD DEVIATION | 4.46 | 4.47 | 2.12 | 4.68 | 4.16 | 4.21 | 2.65 | 3.93 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.58 | 36.25 | 37.00 | 35.71 | 33.67 | 32.20 | 27.00 | 31.18 |
| STANDARD DEVIATION | 5.70 | 6.82 | 1.41 | 6.20 | 2.52 | 7.05 | 6.56 | 6.11 |
| IARS(-) | | | | | | | | |
| MEAN | 8.33 | 9.05 | 10.50 | 8.88 | 7.33 | 10.60 | 7.67 | 8.91 |
| STANDARD DEVIATION | 3.94 | 2.89 | .71 | 3.21 | 4.51 | 2.61 | .58 | 3.08 |
| IARS(+) | | | | | | | | |
| MEAN | 11.67 | 12.15 | 13.50 | 12.06 | 14.33 | 13.20 | 11.67 | 13.09 |
| STANDARD DEVIATION | 3.89 | 3.34 | 2.12 | 3.44 | 1.53 | 1.48 | 1.53 | 1.70 |
| TOTAL READING | | | | | | | | |
| MEAN | 33.50 | 34.15 | 42.50 | 34.41 | 41.33 | 46.20 | 21.33 | 38.09 |
| STANDARD DEVIATION | 16.79 | 14.06 | 28.99 | 15.42 | 9.07 | 12.54 | 10.41 | 14.88 |
| TOTAL MATH | | | | | | | | |
| MEAN | 33.50 | 41.65 | 25.00 | 37.79 | 51.67 | 46.80 | 36.00 | 45.18 |
| STANDARD DEVIATION | 15.57 | 15.30 | 9.90 | 15.63 | 21.50 | 13.22 | 5.57 | 14.41 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.42 | 5.50 | 5.00 | 5.79 | 9.33 | 8.20 | 2.33 | 6.91 |
| STANDARD DEVIATION | 3.29 | 3.12 | 2.83 | 3.11 | 2.52 | 3.96 | 1.53 | 4.11 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 6.42 | 5.60 | 2.50 | 5.71 | 9.00 | 5.60 | 4.67 | 6.27 |
| STANDARD DEVIATION | 3.09 | 3.03 | .71 | 3.05 | 4.58 | 5.86 | 2.31 | 4.71 |

## Table C16-IIIK(PS)-30 (cont.)

MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR CAL PROCESS MODEL IN OAKLAND, CA ; NO LOCAL NFT COMPARASION

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 5 | 38 | 4 | 47 | 0 | 0 | 0 | 0 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 20.60 | 19.97 | 15.50 | 19.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 12.12 | 10.22 | 15.55 | 10.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| SPELLING | | | | | | | | |
| MEAN | 11.20 | 15.18 | 14.25 | 14.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 13.74 | 12.42 | 12.95 | 12.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| LANGUAGE | | | | | | | | |
| MEAN | 15.00 | 14.16 | 9.75 | 13.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 5.15 | 6.26 | 6.95 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 17.40 | 18.21 | 14.75 | 17.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 5.27 | 6.34 | 1.71 | 5.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| RAVENS | | | | | | | | |
| MEAN | 13.80 | 15.79 | 12.25 | 15.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 3.11 | 4.57 | 6.70 | 4.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| READING | | | | | | | | |
| MEAN | 15.60 | 14.97 | 17.00 | 15.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 8.96 | 7.16 | 4.69 | 7.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 12.40 | 15.34 | 11.75 | 14.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 5.32 | 6.24 | 6.18 | 6.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 8.00 | 11.87 | 9.00 | 11.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 2.12 | 5.22 | 5.35 | 5.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| COOPERSMITH | | | | | | | | |
| MEAN | 33.00 | 33.58 | 29.25 | 33.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 4.64 | 8.99 | 6.02 | 8.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| IARS(-) | | | | | | | | |
| MEAN | 8.20 | 8.76 | 9.75 | 8.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 3.11 | 2.17 | 2.99 | 2.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| IARS(+) | | | | | | | | |
| MEAN | 12.40 | 12.13 | 12.25 | 12.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 3.05 | 2.24 | 1.71 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL READING | | | | | | | | |
| MEAN | 36.20 | 34.95 | 32.50 | 34.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 20.97 | 16.36 | 20.16 | 16.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL MATH | | | | | | | | |
| MEAN | 37.80 | 45.42 | 35.50 | 43.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 8.47 | 15.51 | 12.71 | 14.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.80 | 6.05 | 6.25 | 6.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 3.03 | 3.01 | 4.50 | 3.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.20 | 8.11 | 3.50 | 7.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| STANDARD DEVIATION | 2.59 | 4.30 | 2.65 | 4.20 | 0.00 | 0.00 | 0.00 | 0.00 |

## Table C16-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR CAL PROCESS MODEL IN SAN JOSE, CA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 3 | 25 | 5 | 33 | 1 | 3 | 8 | 12 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 11.00 | 17.56 | 11.00 | 15.97 | 49.00 | 31.67 | 27.25 | 30.17 |
| STANDARD DEVIATION | 1.73 | 10.11 | 4.64 | 9.37 | 0.00 | 18.15 | 11.18 | 13.36 |
| SPELLING | | | | | | | | |
| MEAN | 8.00 | 16.56 | 7.80 | 14.45 | 38.00 | 19.67 | 23.25 | 23.58 |
| STANDARD DEVIATION | 3.46 | 11.09 | 5.89 | 10.57 | 0.00 | 17.04 | 11.85 | 12.86 |
| LANGUAGE | | | | | | | | |
| MEAN | 9.33 | 11.80 | 10.60 | 11.39 | 28.00 | 14.67 | 18.25 | 18.17 |
| STANDARD DEVIATION | 2.31 | 3.80 | 4.28 | 3.75 | 0.00 | 9.87 | 7.01 | 7.81 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 16.33 | 14.44 | 12.80 | 14.36 | 21.00 | 16.67 | 18.62 | 18.33 |
| STANDARD DEVIATION | 5.51 | 5.79 | 6.26 | 5.72 | 0.00 | 10.26 | 6.44 | 6.85 |
| RAVENS | | | | | | | | |
| MEAN | 22.00 | 20.44 | 17.60 | 20.15 | 25.00 | 17.67 | 20.63 | 20.25 |
| STANDARD DEVIATION | 1.00 | 2.92 | 2.30 | 2.92 | 0.00 | 6.43 | 2.77 | 4.05 |
| READING | | | | | | | | |
| MEAN | 12.00 | 17.48 | 14.00 | 16.45 | 37.00 | 24.67 | 21.88 | 23.83 |
| STANDARD DEVIATION | 1.73 | 6.71 | 3.39 | 6.25 | 0.00 | 11.37 | 7.64 | 8.91 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 13.33 | 13.08 | 12.40 | 13.00 | 31.00 | 18.33 | 17.75 | 19.00 |
| STANDARD DEVIATION | 8.39 | 5.76 | 5.32 | 5.73 | 0.00 | 14.74 | 6.52 | 8.99 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 11.33 | 11.84 | 11.20 | 11.70 | 20.00 | 17.33 | 16.88 | 17.25 |
| STANDARD DEVIATION | 3.79 | 4.96 | 1.30 | 4.43 | 0.00 | 9.29 | 6.47 | 6.57 |
| COOPERSMITH | | | | | | | | |
| MEAN | 34.67 | 37.20 | 36.40 | 36.85 | 24.00 | 29.33 | 36.12 | 33.42 |
| STANDARD DEVIATION | 9.61 | 6.22 | 8.32 | 6.63 | 0.00 | 7.57 | 6.66 | 7.53 |
| IARS(-) | | | | | | | | |
| MEAN | 10.67 | 9.24 | 9.80 | 9.45 | 10.00 | 11.00 | 9.75 | 10.08 |
| STANDARD DEVIATION | 2.31 | 3.06 | 2.59 | 2.89 | 0.00 | 2.65 | 1.91 | 1.98 |
| IARS(+) | | | | | | | | |
| MEAN | 13.67 | 12.12 | 13.80 | 12.52 | 10.00 | 12.00 | 12.37 | 12.08 |
| STANDARD DEVIATION | .58 | 2.32 | .84 | 2.15 | 0.00 | 3.00 | 1.69 | 1.98 |
| TOTAL READING | | | | | | | | |
| MEAN | 23.00 | 35.04 | 25.00 | 32.42 | 86.00 | 56.33 | 49.12 | 54.00 |
| STANDARD DEVIATION | 3.46 | 15.96 | 4.85 | 14.74 | 0.00 | 29.48 | 18.26 | 21.96 |
| TOTAL MATH | | | | | | | | |
| MEAN | 41.00 | 39.36 | 36.40 | 39.06 | 72.00 | 52.33 | 53.25 | 54.58 |
| STANDARD DEVIATION | 16.09 | 14.16 | 11.28 | 13.56 | 0.00 | 33.50 | 18.10 | 21.04 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 5.33 | 5.48 | 3.20 | 5.12 | 10.00 | 5.33 | 7.75 | 7.33 |
| STANDARD DEVIATION | 1.53 | 2.95 | 1.92 | 2.79 | 0.00 | 1.53 | 3.73 | 3.34 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 4.00 | 6.32 | 7.40 | 6.27 | 18.00 | 9.33 | 10.50 | 10.83 |
| STANDARD DEVIATION | 1.00 | 3.22 | 2.41 | 3.04 | 0.00 | 10.97 | 6.30 | 7.25 |

# APPENDIX TABLES
# for
# VOLUME IV-B

## CHAPTER SEVENTEEN
## THE NEW SCHOOL APPROACH TO FOLLOW THROUGH

### Table C17-IIIK-1

### ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT III KINDERGARTEN SITES IN THE NSA MODEL

| | | GREAT FALLS, MT | | | CLEAR LAKE, WA | | |
|---|---|---|---|---|---|---|---|
| | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match |
| AMERICAN INDIAN | Percent | 18.4 | 5.2 | 0.0 | 32.5 | 0.0 | 8.3 |
| | Number | 7 | 4 | 0 | 13 | 0 | 1 |
| BLACK | Percent | 7.9 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 |
| | Number | 3 | 0 | 1 | 0 | 0 | 0 |
| ORIENTAL | Percent | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 1 | 0 | 0 | 0 | 0 |
| MEXICAN AMERICAN | Percent | 0.0 | 2.6 | 0.0 | 7.5 | 0.0 | 58.3 |
| | Number | 0 | 2 | 0 | 3 | 0 | 7 |
| PUERTO RICAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 |
| WHITE | Percent | 73.7 | 90.9 | 97.2 | 55.0 | 100.0 | 33.3 |
| | Number | 28 | 70 | 35 | 22 | 67 | 4 |
| OTHER | Percent | 0.0 | 0.0 | 0.0 | 5.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 2 | 0 | 0 |
| BEST MATCHED SITE | | Burlington, VT | | | San Jose, CA | | |

Table C17-IIIK-2

### DISTRIBUTION OF BACKGROUND VARIABLES
### COHORT III KINDERGARTEN CHILDREN
### FOR THE NSA MODEL

| | SPONSOR'S SITES | | | GREAT FALLS, MT | | | CLEAR LAKE, WA | | |
|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE | | | | | | | | | |
| Number | — | — | — | 38 | 77 | 36 | 40 | 67 | 12 |
| FALL KINDERGARTEN WRAT | | | | | | | | | |
| Mean Score | 31.2 | 38.3 | — | 26.7 | 34.3 | 30.6 | 35.6 | 42.3 | 36.8 |
| PERCENT WITH PRESCHOOL | 63 | 33 | — | 61 | 36 | 26 | 65 | 31 | 33 |
| Number Responding | — | — | — | 38 | 58 | 35 | 40 | 62 | 12 |
| CHILDREN'S ETHNICITY | | | | | | | | | |
| Percent Black | 4 | 0 | — | 8 | 0 | 3 | 0 | 0 | 0 |
| Percent White | 64 | 95 | — | 74 | 91 | 97 | 55 | 100 | 33 |
| Percent Other | 32 | 5 | — | 18 | 9 | 0 | 45 | 0 | 67 |
| MEDIAN FAMILY INCOME | 5725 | 8934 | — | 6250 | 8100 | 8200 | 5200 | 9767 | 6800 |
| Number Responding | — | — | — | 27 | 54 | 34 | 34 | 58 | 11 |
| MOTHER'S EDUCATION | | | | | | | | | |
| Percent H.S. Graduates | 63 | 82 | — | 68 | 71 | 58 | 59 | 93 | 70 |
| Number Responding | — | — | — | 25 | 55 | 33 | 34 | 58 | 10 |
| FEMALE HEADS OF HOUSEHOLD | | | | | | | | | |
| Percent | 27 | 14 | — | 30 | 24 | 18 | 24 | 3 | 17 |
| BEST MATCHED SITE | | | | Burlington, VT | | | San Jose, CA | | |

## Table C17-IIIK-3

## TEACHER BACKGROUND CHARACTERISTICS FOR COHORT III-K SITES IN NSA MODEL

| | Great Falls, MT | | Clear Lake, WA | |
|---|---|---|---|---|
| | FT | NFT | FT | NFT |
| YEARS OF ELEMENTARY TEACHING EXPERIENCE | | | | |
| Mean | 5.20 | 8.55 | 8.85 | 9.55 |
| Standard Deviation | 2.49 | 3.97 | 5.14 | 7.14 |
| N | 5 | 9 | 7 | 9 |
| YEARS IN SCHOOL | | | | |
| Mean | 4.20 | 6.22 | 6.14 | 8.60 |
| Standard Deviation | 1.92 | 2.63 | 3.48 | 6.20 |
| N | 5 | 9 | 7 | 10 |
| YEARS IN MODEL | | | | |
| Mean | 2.00 | 2.25 | 3.57 | 1.25 |
| Standard Deviation | 1.22 | 2.47 | 1.13 | 1.06 |
| N | 5 | 2 | 7 | 2 |
| TEACHER'S EDUCATION | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 |
| % with B.A. | 20.0 | 22.2 | 28.6 | 70.0 |
| % Some Graduate | 80.0 | 66.7 | 42.9 | 10.0 |
| % M.A. or More | 0 | 11.1 | 28.6 | 20.0 |
| N | 5 | 9 | 7 | 10 |
| TEACHER'S CERTIFICATION | | | | |
| % None | 0 | 0 | 0 | 0 |
| % Temporary | 0 | 0 | 0 | 10.0 |
| % Renewable/Permanent | 100.0 | 100.0 | 100.0 | 90.0 |
| N | 5 | 9 | 7 | 10 |
| TEACHER'S ETHNICITY | | | | |
| % White | 100.0 | 100.0 | 100.0 | 100.0 |
| % Black | 0 | 0 | 0 | 0 |
| % Spanish Surname | 0 | 0 | 0 | 0 |
| % Other | 0 | 0 | 0 | 0 |
| N | 5 | 9 | 7 | 10 |
| AGE IN YEARS | | | | |
| Mean | 30.80 | 35.55 | 35.28 | 42.00 |
| Standard Deviation | 4.20 | 10.38 | 12.25 | 13.03 |
| N | 5 | 9 | 7 | 10 |

Table C17-IIIK-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1975) FOR THE COHORT III KINDERGARTEN SITES IN THE NSA MODEL

| | SPONSOR'S SITES | | | GREAT FALLS, MT | | | CLEAR LAKE, WA | | |
|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 38.8 | 53.2 | — | 37.1 | 52.3 | 39.9 | 40.5 | 54.1 | 54.7 |
| Number | 2 | 2 | — | 5 | 9 | 7 | 7 | 10 | 3 |
| Local Mean Difference | -14.4 | — | — | -15.2 | — | — | -13.6 | — | — |
| Best Match Mean Difference | — | — | — | -2.8 | — | — | -14.2 | — | — |
| FLEXIBLE CLASSROOM | 60.6 | 48.6 | — | 65.5 | 46.2 | 53.1 | 55.7 | 51.1 | 58.9 |
| Number | 2 | 2 | — | 5 | 9 | 7 | 7 | 10 | 3 |
| Local Mean Difference | 12.0 | — | — | 19.3 | — | — | 4.6 | — | — |
| Best Match Mean Difference | — | — | — | 12.4 | — | — | -3.2 | — | — |
| INDIVIDUALIZATION | 54.0 | 45.4 | — | 59.5 | 47.4 | 53.1 | 48.4 | 43.3 | 48.4 |
| Number | 2 | 2 | — | 5 | 9 | 7 | 7 | 10 | 3 |
| Local Mean Difference | 8.6 | — | — | 12.2 | — | — | 5.1 | — | — |
| Best Match Mean Difference | — | — | — | 6.5 | — | — | — | — | — |
| ACADEMIC (VS. EMOTIONAL) | 44.1 | 51.8 | — | 42.5 | 50.3 | 47.3 | 45.8 | 53.2 | 44.7 |
| EMPHASIS Number | 2 | 2 | — | 5 | 9 | 7 | 7 | 10 | 3 |
| Local Mean Difference | -7.6 | — | — | -7.9 | — | — | -7.4 | — | — |
| Best Match Mean Difference | — | — | — | -4.8 | — | — | — | — | — |
| SATISFACTION WITH | 60.2 | 45.6 | — | 58.9 | 44.7 | 43.5 | 61.6 | 46.6 | 48.5 |
| SPONSOR Number | 2 | 2 | — | 5 | 5 | 7 | 7 | 10 | 1 |
| Local Mean Difference | 14.6 | — | — | 14.2 | — | — | 15.0 | — | — |
| Best Match Mean Difference | — | — | — | 15.4 | — | — | 13.1 | — | — |
| BEST MATCHED SITE | | | | Burlington, VT | | | San Jose, CA | | |

1488

## Table C17-IIIK-5

STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1975)
FOR THE COHORT III KINDERGARTEN SITES
IN THE NSA MODEL

| | SPONSOR'S SITES | | | GREAT FALLS, MT | | | CLEAR LAKE, WA | | |
|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TALKS WITH TEACHER | 49.9 | 52.7 | — | 48.0 | 54.2 | 50.4 | 51.8 | 51.2 | 48.8 |
| Number | 2 | 2 | — | 33 | 34 | 28 | 28 | 35 | 12 |
| Local Mean Difference | -2.8 | — | — | -6.2 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 3.0 | — | — |
| SCHOOL HELPED CHILD | 50.1 | 48.3 | — | 49.7 | 47.6 | 51.4 | 50.4 | 49.0 | 54.4 |
| Number | 2 | 2 | — | 33 | 34 | 28 | 28 | 35 | 12 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -4.0 | — | — |
| PAC INVOLVEMENT | 51.3 | 46.3 | — | 48.0 | 47.0 | 45.3 | 54.5 | 45.6 | 47.1 |
| Number | 2 | 2 | — | 33 | 31 | 24 | 28 | 33 | 11 |
| Local Mean Difference | 5.0 | — | — | — | — | — | 8.9 | — | — |
| Best Match Mean Difference | — | — | — | 2.7 | — | — | 7.4 | — | — |
| CHILD READS AT HOME | 51.0 | 50.2 | — | 49.5 | 52.1 | 47.6 | 52.4 | 48.3 | 49.8 |
| Number | 2 | 2 | — | 33 | 34 | 28 | 28 | 35 | 12 |
| Local Mean Difference | — | — | — | -2.6 | — | — | 4.1 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 2.6 | — | — |
| CHILD'S PROG IN SCHOOL | 50.8 | 52.1 | — | 49.3 | 50.6 | 48.2 | 52.4 | 53.5 | 52.4 |
| Number | 2 | 2 | — | 33 | 34 | 28 | 28 | 35 | 12 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — |
| CHILD READ TO AT HOME | 49.6 | 50.6 | — | 46.8 | 52.2 | 49.4 | 52.5 | 49.1 | 48.3 |
| Number | 2 | 2 | — | 33 | 34 | 28 | 28 | 35 | 12 |
| Local Mean Difference | — | — | — | -5.4 | — | — | 3.4 | — | — |
| Best Match Mean Difference | — | — | — | -2.6 | — | — | 4.1 | — | — |
| PARENT VISITS TO SCHOOL | 49.9 | 48.8 | — | 46.6 | 49.1 | 46.5 | 53.1 | 48.4 | 48.9 |
| Number | 2 | 2 | — | 33 | 34 | 28 | 28 | 35 | 12 |
| Local Mean Difference | — | — | — | — | — | — | 4.7 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 4.3 | — | — |
| CHILD'S EMOT ADJUST | 47.1 | 45.3 | — | 47.8 | 43.7 | 47.3 | 46.3 | 46.9 | 45.3 |
| Number | 2 | 2 | — | 33 | 34 | 28 | 28 | 35 | 12 |
| Local Mean Difference | — | — | — | 4.2 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — |
| SCH HELPED WITH CHILD | 47.3 | 43.3 | — | 45.0 | 44.1 | 46.4 | 49.6 | 42.4 | 47.8 |
| Number | 2 | 2 | — | 33 | 34 | 28 | 28 | 35 | 12 |
| Local Mean Difference | 4.0 | — | — | — | — | — | 7.2 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — |
| SCHOOL'S RECEPTIVITY | 50.3 | 49.7 | — | 49.1 | 48.5 | 46.7 | 51.6 | 50.9 | 47.5 |
| Number | 2 | 2 | — | 33 | 34 | 28 | 28 | 34 | 12 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 4.1 | — | — |
| PARENT LOCUS | 47.6 | 44.8 | — | 48.8 | 46.9 | 50.0 | 46.5 | 42.7 | 49.8 |
| Number | 2 | 2 | — | 33 | 34 | 28 | 28 | 35 | 12 |
| Local Mean Difference | 2.8 | — | — | — | — | — | 3.8 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -3.3 | — | — |
| SCH HELPED PERSONALLY | 50.0 | 46.7 | — | 48.4 | 47.0 | 48.8 | 51.5 | 46.4 | 45.3 |
| Number | 2 | 2 | — | 33 | 34 | 28 | 28 | 35 | 12 |
| Local Mean Difference | 3.3 | — | — | — | — | — | 5.2 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 6.3 | — | — |
| PARENT-CHILD INTERACTION | 46.8 | 47.9 | — | 48.8 | 49.9 | 44.2 | 44.8 | 46.0 | 49.2 |
| Number | 2 | 2 | — | 33 | 34 | 28 | 28 | 35 | 12 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 4.7 | — | — | -4.5 | — | — |
| BEST MATCHED SITE | | | | Burlington, VT | | | San Jose, CA | | |

## Table C17-IIIK-6

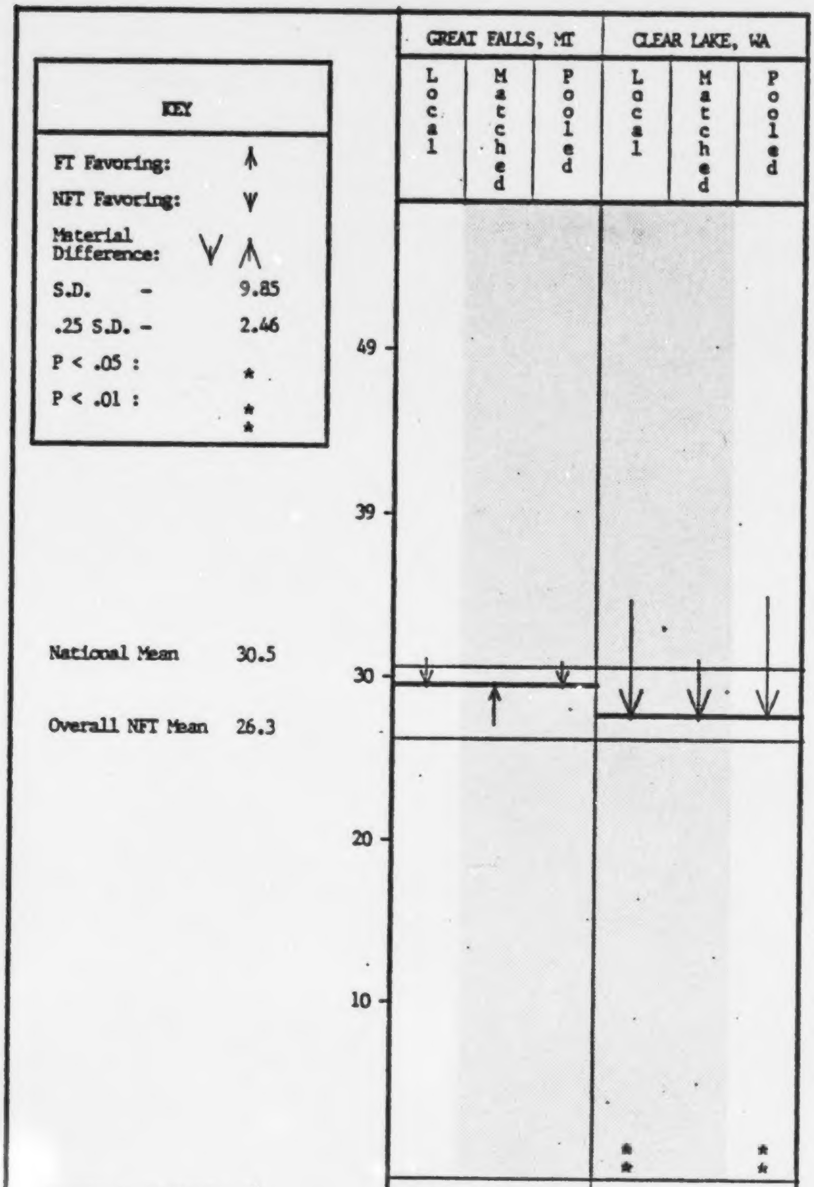
## PROPORTION OF ATTRITION AND DESCRIPTIVE INFORMATION FOR NSA MODEL

| | | Great Falls, MT | | Clear Lake, WA | |
|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT |
| **NUMBER** | | | | | |
| **Total Registration** | **N** | 135 | 158 | 121 | 137 |
| **Children Retained (Analytic Sample)** | **N** | 38 | 77 | 40 | 67 |
| **Children Not Retained (Program and Sample Attrition)** | **N** | 97 | 81 | 81 | 70 |
| | **%*** | 72 | 51 | 67 | 51 |
| **Children Not Retained (Sample Attrition)** | **N** | 3 | 12 | 9 | 8 |
| | **%*** | 1 | 8 | 7 | 6 |
| WRAT | | | | | |
| Total Registration | Mean | 27.2 | 32.5 | 31.4 | 38.6 |
| | Standard Deviation | 12.5 | 12.6 | 13.7 | 10.9 |
| | Number | 133 | 148 | 112 | 124 |
| Children Retained (Analytic Sample) | Mean | 26.7 | 34.3 | 35.6 | 42.3 |
| | Standard Deviation | 11.9 | 13.3 | 13.3 | 9.1 |
| | Number | 38 | 76 | 40 | 65 |
| Children Not Retained (Program and Sample Attrition) | Mean | 27.4 | 30.7 | 29.1 | 34.5 |
| | Standard Deviation | 12.8 | 11.6 | 13.4 | 11.3 |
| | Number | 95 | 72 | 72 | 59 |
| Children Not Retained (Sample Attrition) | Mean | 24.6 | 34.4 | 32.3 | 40.3 |
| | Standard Deviation | 9.2 | 9.8 | 11.9 | 4.1 |
| | Number | 3 | 12 | 9 | 8 |
| INCOME | | | | | |
| Total Registration | Mean | 5949 | 6796 | 5898 | 8207 |
| | Standard Deviation | 3026 | 2795 | 2936 | 2454 |
| | Number | 97 | 107 | 101 | 114 |
| Children Retained (Analytic Sample) | Mean | 6181 | 7346 | 5765 | 8577 |
| | Standard Deviation | 3328 | 2548 | 2743 | 2022 |
| | Number | 27 | 54 | 34 | 58 |
| Children Not Retained (Program and Sample Attrition) | Mean | 5860 | 6236 | 5965 | 7825 |
| | Standard Deviation | 2922 | 2945 | 3047 | 2802 |
| | Number | 70 | 53 | 67 | 56 |
| Children Not Retained (Sample Attrition) | Mean | 3200 | 7862 | 6466 | 9559 |
| | Standard Deviation | 0 | 1828 | 3493 | 875 |
| | Number | 1 | 8 | 9 | 5 |

*Percent of Total Registration.

## Table C17-IIIK-7

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT WORD KNOWLEDGE FOR COHORT III KINDERGARTEN SITES IN THE NSA MODEL



| | GREAT FALLS, MT | | | CLEAR LAKE, WA | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.56 | 2.46 | -1.35 | -7.17 | -3.50 | -7.36 |
| Standard Error | 2.06 | 2.82 | 1.54 | 2.28 | 3.36 | 1.43 |
| FT Mean | 29.32 | | | 27.43 | | |
| No. of FT Children | 38 | | | 40 | | |
| Matched NFT Site | Burlington, VT | | | San Jose, CA | | |

Table C17-IIIK-8

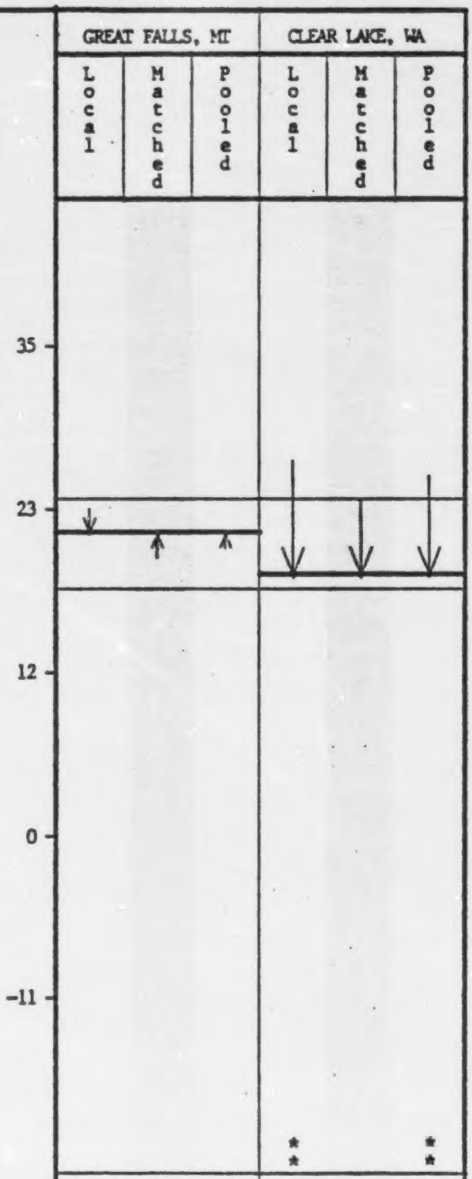
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT SPELLING
FOR COHORT III KINDERGARTEN SITES
IN THE NSA MODEL

KEY

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ⇓ ⇑
S.D. - 11.60
.25 S.D. - 2.90
P < .05 : *
P < .01 : **

National Mean 24.0

Overall NFT Mean 18.4

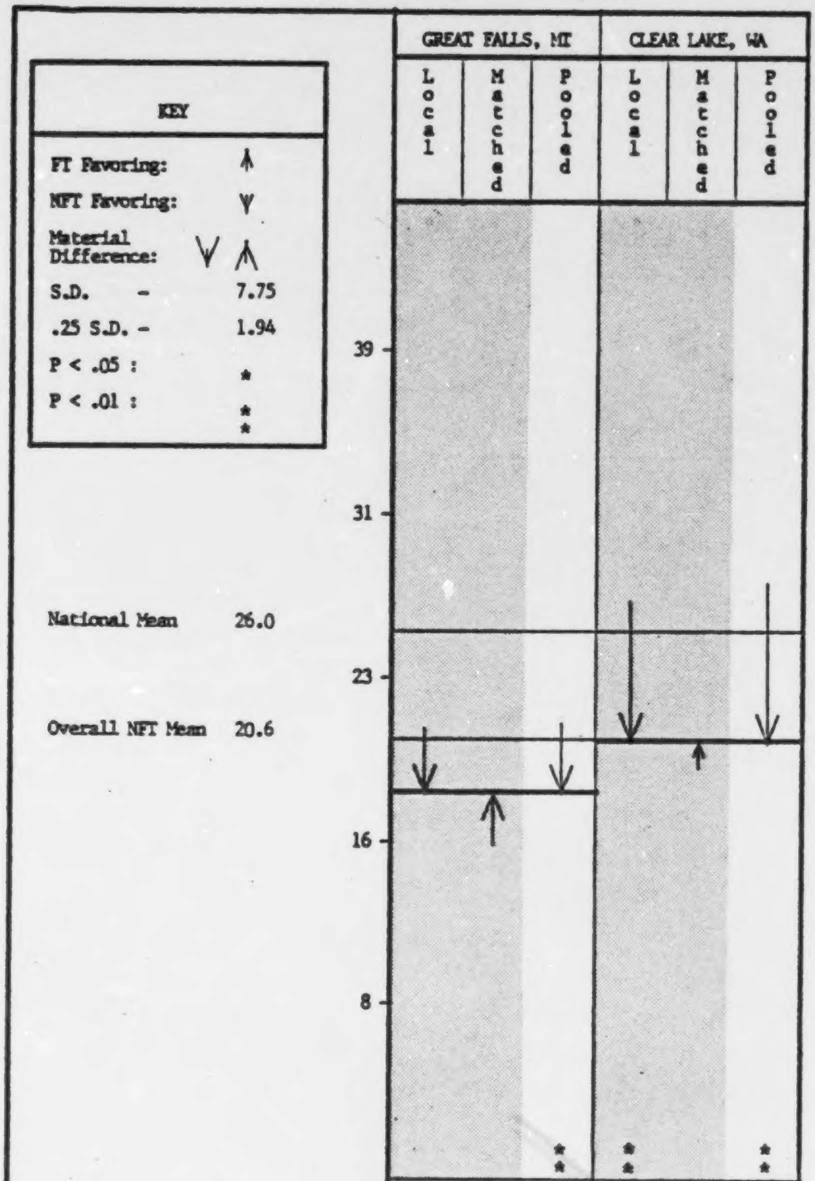


| | GREAT FALLS, MT | | | CLEAR LAKE, WA | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.58 | 1.71 | 0.12 | -8.27 | -5.46 | -7.16 |
| Standard Error | 2.10 | 2.65 | 1.31 | 2.33 | 4.10 | 1.53 |
| FT Mean | 21.84 | | | 18.73 | | |
| No. of FT Children | 38 | | | 40 | | |
| Matched NFT Site | Burlington,VT | | | San Jose, CA | | |

1492

Table C17-IIIK-9

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT LANGUAGE
FOR COHORT III KINDERGARTEN SITES
IN THE NSA MODEL



| | GREAT FALLS, MT Local | GREAT FALLS, MT Matched | GREAT FALLS, MT Pooled | CLEAR LAKE, WA Local | CLEAR LAKE, WA Matched | CLEAR LAKE, WA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -2.99 | 2.43 | -3.30 | -6.55 | 1.27 | -7.48 |
| Standard Error | 1.95 | 2.10 | 1.15 | 2.16 | 2.85 | 1.02 |
| FT Mean | 17.97 | | | 20.45 | | |
| No. of FT Children | 38 | | | 40 | | |
| Matched NFT Site | Burlington, VT | | | San Jose, CA | | |

## Table C17-IIIK-10

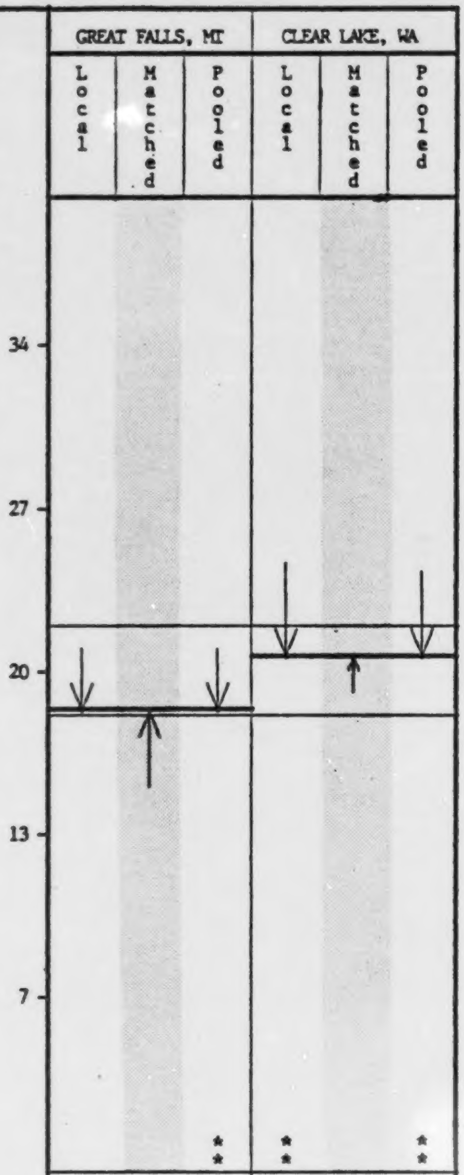
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT III KINDERGARTEN SITES IN THE NSA MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⋁ ⋀ |
| S.D. - | 6.71 |
| .25 S.D. - | 1.68 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.5

Overall NFT Mean 18.5



| | GREAT FALLS, MT Local | GREAT FALLS, MT Matched | GREAT FALLS, MT Pooled | CLEAR LAKE, WA Local | CLEAR LAKE, WA Matched | CLEAR LAKE, WA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -2.59 | 3.09 | -2.60 | -3.96 | 1.45 | -3.51 |
| Standard Error | 1.34 | 1.75 | 0.90 | 1.49 | 2.73 | 1.03 |
| FT Mean | 18.74 | | | 20.88 | | |
| No. of FT Children | 38 | | | 40 | | |
| Matched NFT Site | Burlington, VT | | | San Jose, CA | | |

## Table C17-IIIK-11

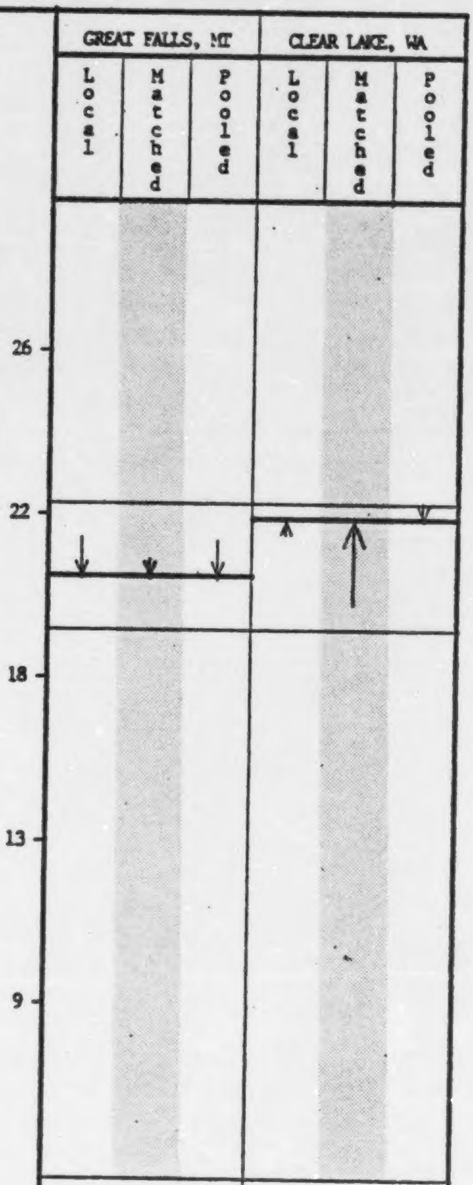
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE RAVEN S PROGRESSIVE MATRICES FOR COHORT III KINDERGARTEN SITES IN THE NSA MODEL

KEY

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ⋁ ⋀
S.D. - 4.38
.25 S.D. - 1.09
P < .05 : *
P < .01 : **

National Mean 22.3

Overall NFT Mean 19.0

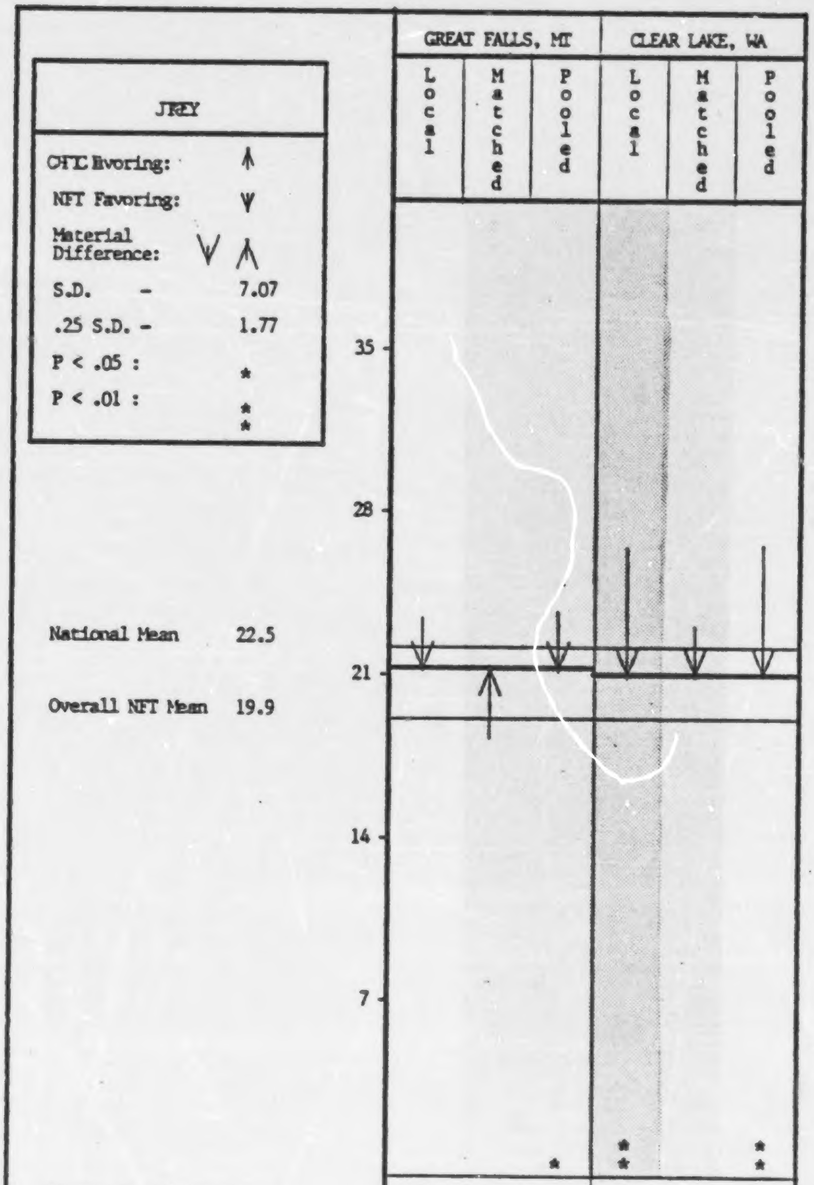


| | GREAT FALLS, MT Local | GREAT FALLS, MT Matched | GREAT FALLS, MT Pooled | CLEAR LAKE, WA Local | CLEAR LAKE, WA Matched | CLEAR LAKE, WA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -1.01 | -0.07 | -0.97 | 0.10 | 2.27 | -0.28 |
| Standard Error | 0.84 | 1.20 | 0.67 | 0.93 | 1.43 | 0.53 |
| FT Mean | 20.32 | | | 21.88 | | |
| No. of FT Children | 38 | | | 40 | | |
| Matched NFT Site | Burlington, VT | | | San Jose, CA | | |

**COHORT III-K STUDY**
**Non-Preschool Adjusted**

### Table C17-IIIK-12

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT READING
FOR COHORT III KINDERGARTEN SITES
IN THE NSA MODEL



| | GREAT FALLS, MT Local | GREAT FALLS, MT Matched | GREAT FALLS, MT Pooled | CLEAR LAKE, WA Local | CLEAR LAKE, WA Matched | CLEAR LAKE, WA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -2.24 | 2.94 | -2.49 | -5.51 | -2.14 | -5.56 |
| Standard Error | 1.71 | 2.13 | 1.13 | 1.89 | 2.58 | 1.12 |
| FT Mean | 21.63 | | | 21.40 | | |
| No. of FT Children | 38 | | | 40 | | |
| Matched NFT Site | Burlington, VT | | | San Jose, CA | | |

## Table C17-IIIK-13

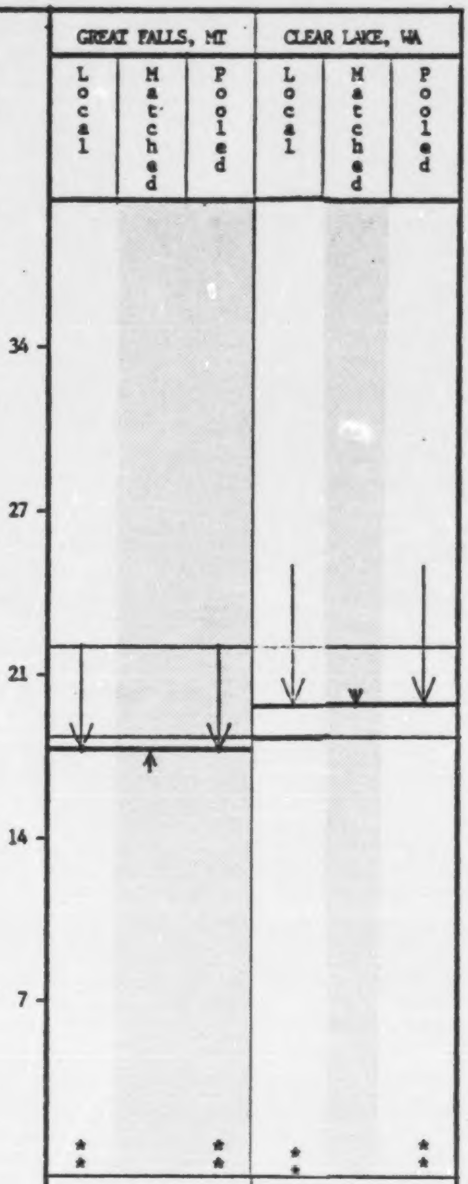
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS CONCEPTS FOR COHORT III KINDERGARTEN SITES IN THE NSA MODEL

**KEY**

| | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ∨ ∧ |
| S.D. - | 6.87 |
| .25 S.D. - | 1.72 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 22.0

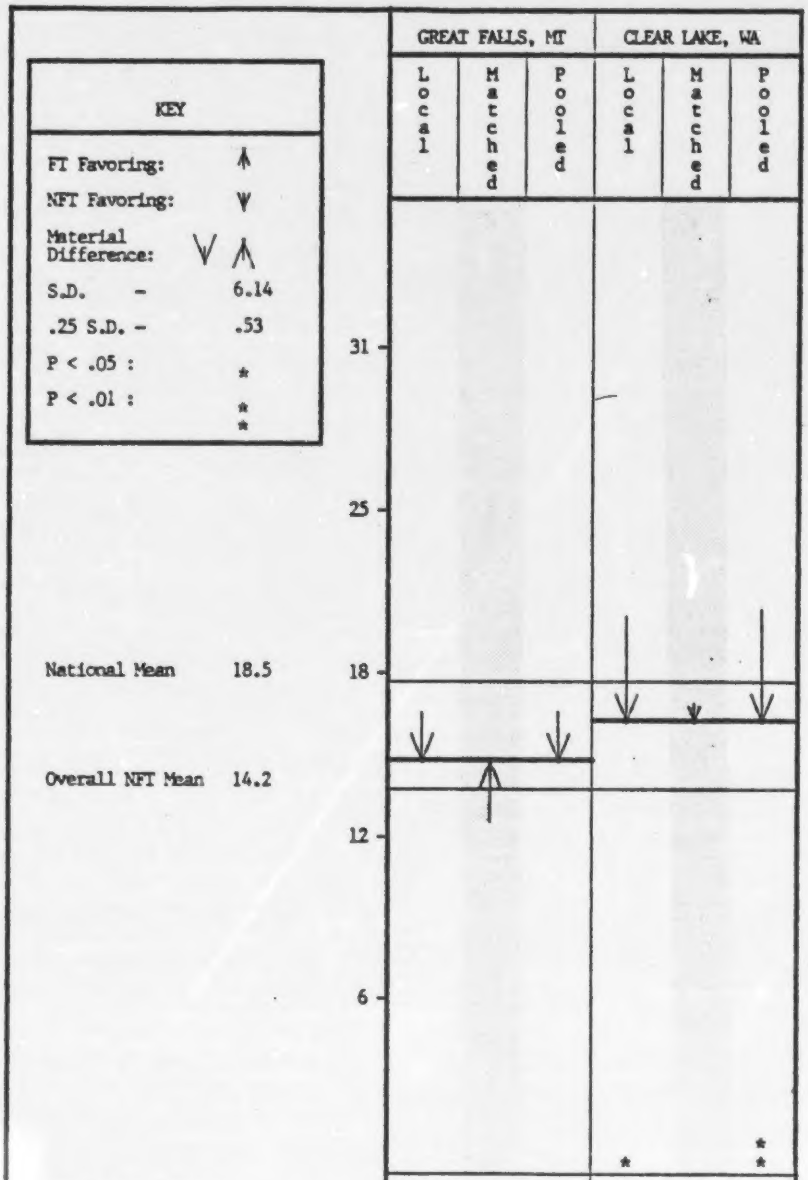
Overall NFT Mean 18.0



| | GREAT FALLS, MT | | | CLEAR LAKE, WA | | |
|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -4.49 | 0.90 | -4.47 | -6.16 | -0.08 | -5.92 |
| Standard Error | 1.43 | 1.61 | 0.83 | 1.58 | 2.19 | 0.84 |
| FT Mean | 17.58 | | | 19.50 | | |
| No. of FT Children | 38 | | | 40 | | |
| Matched NFT Site | Burlington, VT | | | San Jose, CA | | |

Table C17-IIIK-14

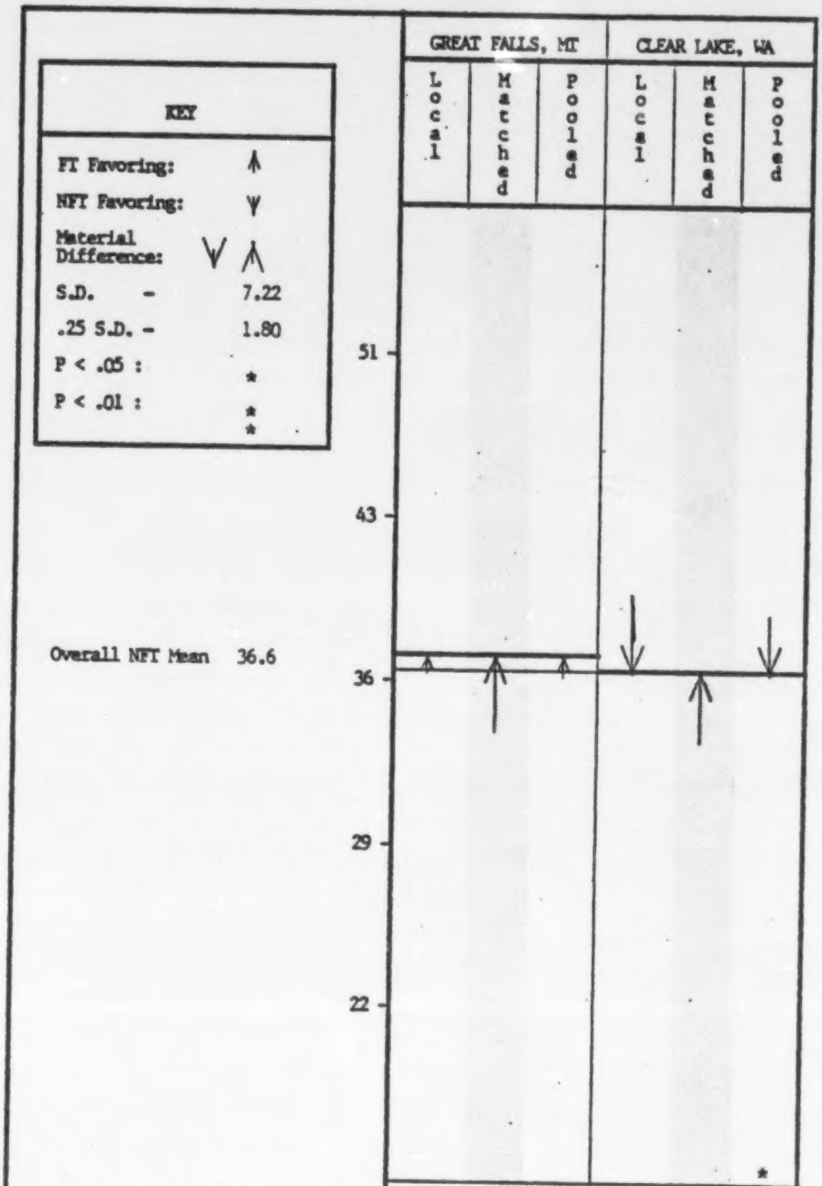
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT MATHEMATICS PROBLEM-SOLVING
FOR COHORT III KINDERGARTEN SITES
IN THE NSA MODEL



| | GREAT FALLS, MT Local | GREAT FALLS, MT Matched | GREAT FALLS, MT Pooled | CLEAR LAKE, WA Local | CLEAR LAKE, WA Matched | CLEAR LAKE, WA Pooled |
|---|---|---|---|---|---|---|
| | | | | * | | ** |
| Magnitude of Effect | -1.80 | 2.33 | -1.77 | -3.96 | -0.55 | -4.13 |
| Standard Error | 1.47 | 1.74 | 1.00 | 1.63 | 2.47 | 0.90 |
| FT Mean | 15.32 | | | 16.80 | | |
| No. of FT Children | 38 | | | 40 | | |
| Matched NFT Site | Burlington,VT | | | San Jose, CA | | |

Table C17-IIIK-15

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF-ESTEEM INVENTORY FOR COHORT III KINDERGARTEN SITES IN THE NSA MODEL



| | GREAT FALLS, MT Local | GREAT FALLS, MT Matched | GREAT FALLS, MT Pooled | CLEAR LAKE, WA Local | CLEAR LAKE, WA Matched | CLEAR LAKE, WA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | 0.65 | 3.28 | 0.82 | -3.29 | 3.15 | -2.56 |
| Standard Error | 1.77 | 1.96 | 1.13 | 1.96 | 3.39 | 1.25 |
| FT Mean | 37.29 | | | 36.70 | | |
| No. of FT Children | 38 | | | 40 | | |
| Matched NFT Site | Burlington,VT | | | San Jose, CA | | |

**COHORT III-K STUDY**
**Non-Preschool Adjusted**

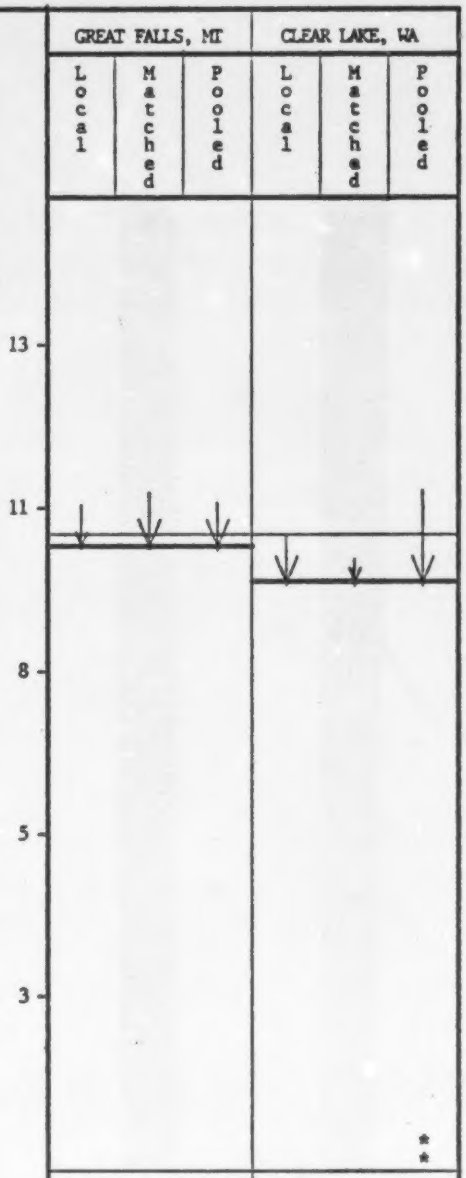
## Table C17-IIIK-16

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT III KINDERGARTEN SITES IN THE NSA MODEL

KEY

FT Favoring: ↑
NFT Favoring: ↓
Material Difference: ↓ ↑
S.D. - 2.64
.25 S.D. - .66
P < .05 : *
P < .01 : **

Overall NFT Mean 10.1

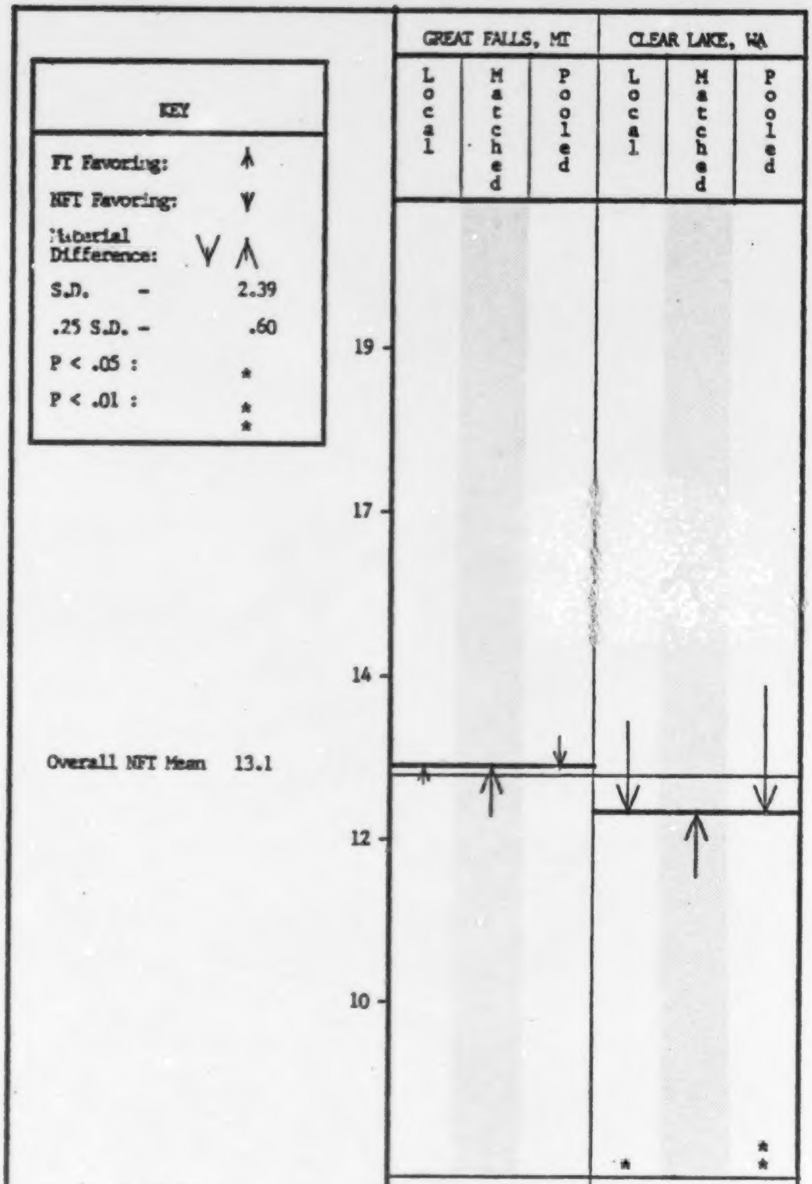


| | GREAT FALLS, MT Local | GREAT FALLS, MT Matched | GREAT FALLS, MT Pooled | CLEAR LAKE, WA Local | CLEAR LAKE, WA Matched | CLEAR LAKE, WA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.65 | -0.87 | -0.74 | -0.81 | -0.43 | -1.52 |
| Standard Error | 0.68 | 0.82 | 0.41 | 0.76 | 1.28 | 0.54 |
| FT Mean | 10.00 | | | 9.38 | | |
| No. of FT Children | 38 | | | 40 | | |
| Matched NFT Site | Burlington, VT | | | San Jose, CA | | |

1500

Table C17-IIIK-17

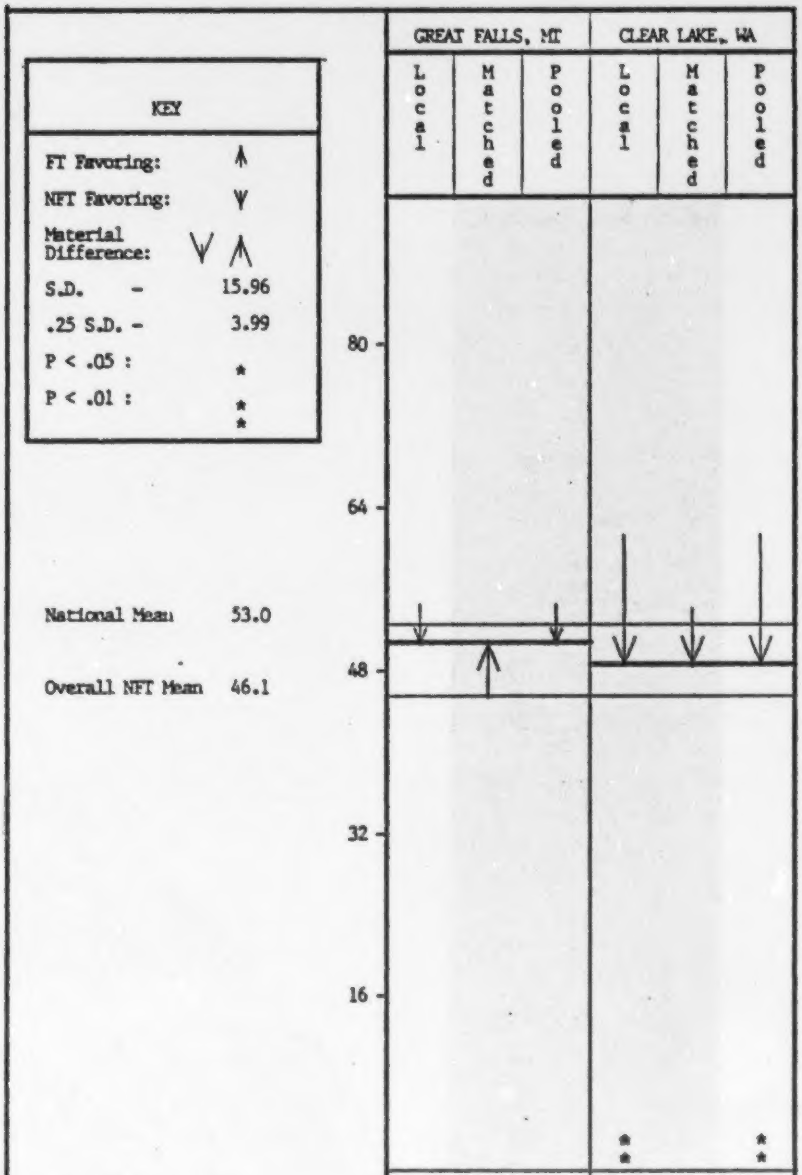
ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE
FOR COHORT III KINDERGARTEN SITES
IN THE NSA MODEL



| | GREAT FALLS, MT Local | GREAT FALLS, MT Matched | GREAT FALLS, MT Pooled | CLEAR LAKE, WA Local | CLEAR LAKE, WA Matched | CLEAR LAKE, WA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | 0.08 | 0.69 | -0.45 | -1.32 | 0.94 | -1.84 |
| Standard Error | 0.46 | 0.68 | 0.33 | 0.51 | 0.82 | 0.35 |
| FT Mean | 13.11 | | | 12.45 | | |
| No. of FT Children | 38 | | | 40 | | |
| Matched NFT Site | Burlington, VT | | | San Jose, CA | | |

## Table C17-IIIK-18

ADJUSTED DIFFERENCES BETWEEN FT AND NFT
ON THE MAT TOTAL READING
FOR COHORT III KINDERGARTEN SITES
IN THE NSA MODEL



| | GREAT FALLS, MT Local | GREAT FALLS, MT Matched | GREAT FALLS, MT Pooled | CLEAR LAKE, WA Local | CLEAR LAKE, WA Matched | CLEAR LAKE, WA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -3.80 | 5.39 | -3.84 | -12.68 | -5.65 | -12.91 |
| Standard Error | 3.51 | 4.60 | 2.50 | 3.90 | 5.52 | 2.40 |
| FT Mean | 50.95 | | | 48.83 | | |
| No. of FT Children | 38 | | | 40 | | |
| Matched NFT Site | Burlington,VT | | | San Jose, CA | | |

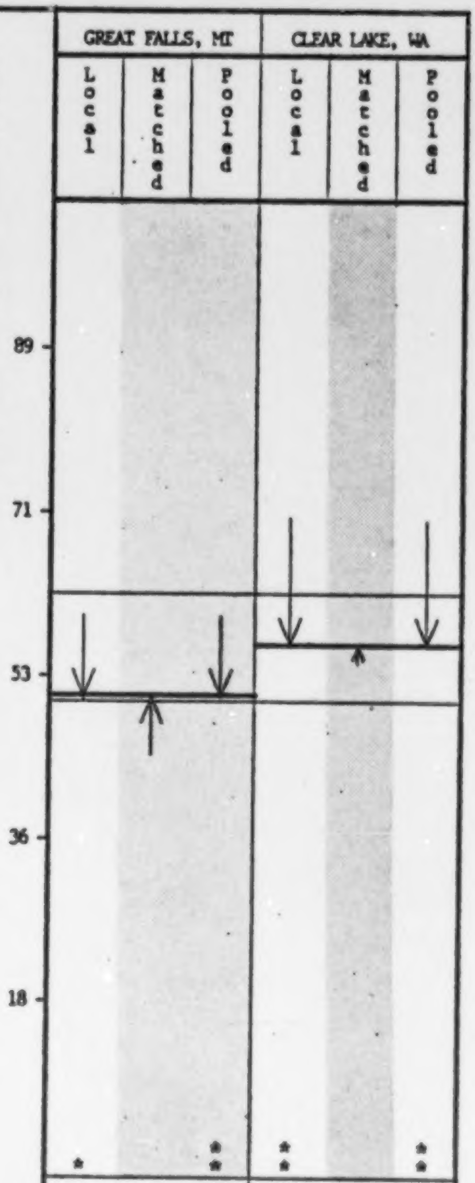
## Table C17-IIIK-19

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL MATH FOR COHORT III KINDERGARTEN SITES IN THE NSA MODEL

| KEY | |
|---|---|
| FT Favoring: | ↑ |
| NFT Favoring: | ↓ |
| Material Difference: | ⇓ ⇑ |
| S.D. - | 17.83 |
| .25 S.D. - | 4.46 |
| P < .05 : | * |
| P < .01 : | ** |

National Mean 63.0

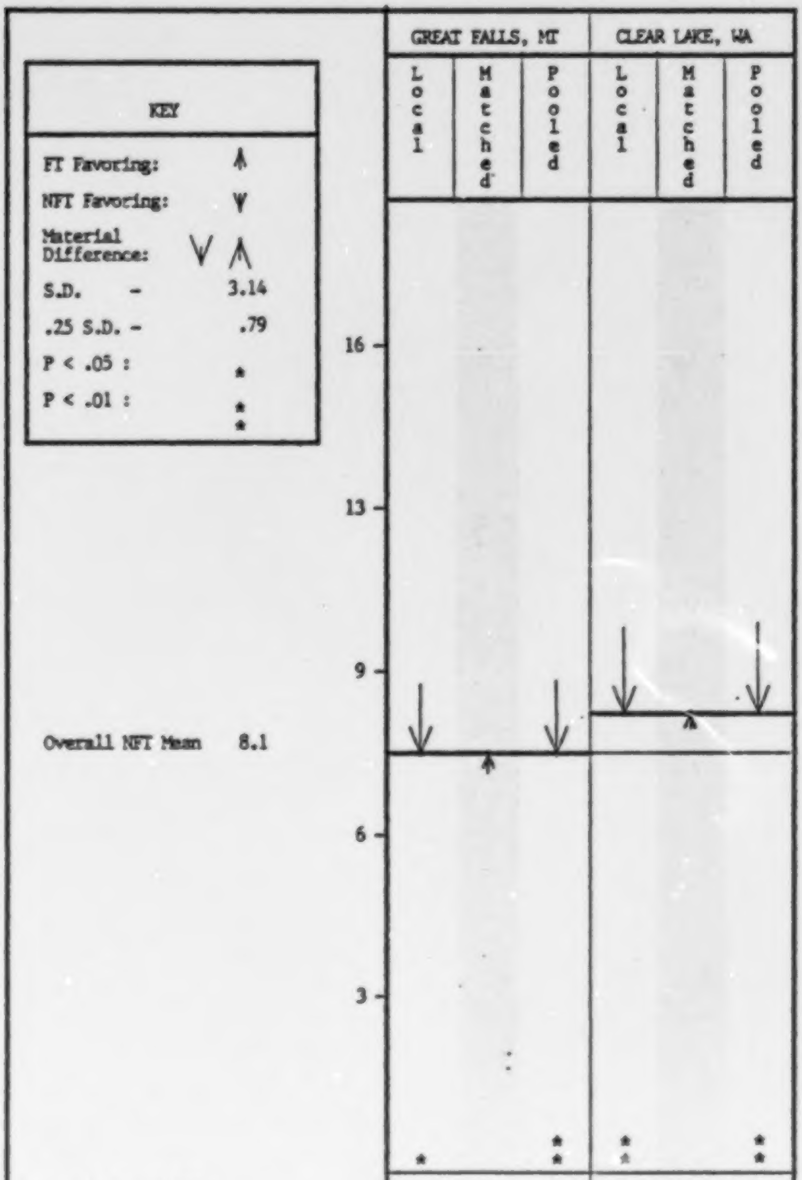
Overall NFT Mean 50.8



| | GREAT FALLS, MT Local | GREAT FALLS, MT Matched | GREAT FALLS, MT Pooled | CLEAR LAKE, WA Local | CLEAR LAKE, WA Matched | CLEAR LAKE, WA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -8.88 | 6.32 | -8.80 | -14.09 | 0.82 | -13.51 |
| Standard Error | 3.73 | 4.49 | 2.37 | 4.14 | 6.47 | 2.36 |
| FT Mean | 51.63 | | | 57.18 | | |
| No. of FT Children | 38 | | | 40 | | |
| Matched NFT Site | Burlington, VT | | | San Jose, CA | | |

## Table C17-IIIK-20

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT III KINDERGARTEN SITES IN THE NSA MODEL

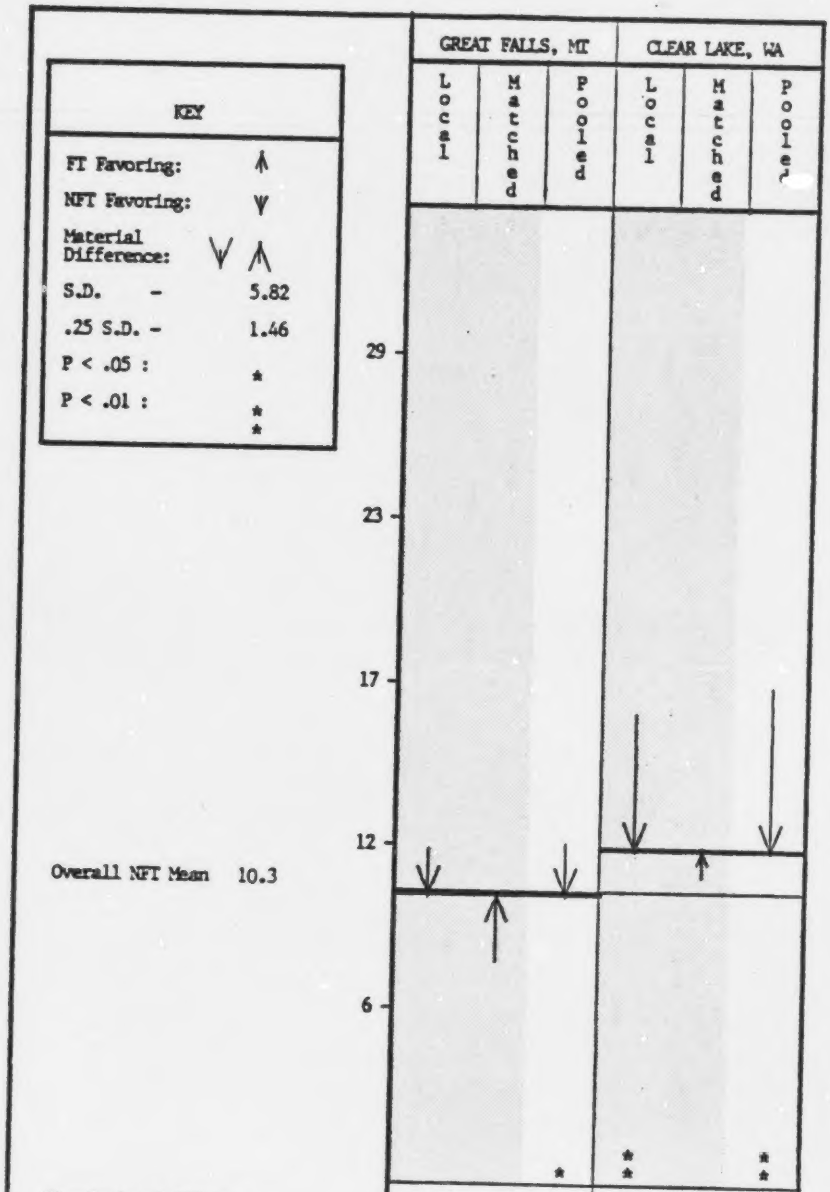


| | GREAT FALLS, MT Local | GREAT FALLS, MT Matched | GREAT FALLS, MT Pooled | CLEAR LAKE, WA Local | CLEAR LAKE, WA Matched | CLEAR LAKE, WA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -1.35 | 0.04 | -1.41 | -1.69 | 0.25 | -1.73 |
| Standard Error | 0.58 | 0.74 | 0.43 | 0.64 | 1.02 | 0.39 |
| FT Mean | 7.92 | | | 8.70 | | |
| No. of FT Children | 38 | | | 40 | | |
| Matched NFT Site | Burlington, VT | | | San Jose, CA | | |

1504

## Table C17-IIIK-21

### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT III KINDERGARTEN SITES IN THE NSA MODEL



| | GREAT FALLS, MT Local | GREAT FALLS, MT Matched | GREAT FALLS, MT Pooled | CLEAR LAKE, WA Local | CLEAR LAKE, WA Matched | CLEAR LAKE, WA Pooled |
|---|---|---|---|---|---|---|
| Magnitude of Effect | -1.64 | 2.39 | -1.89 | -4.85 | 1.02 | -5.76 |
| Standard Error | 1.67 | 1.79 | 0.94 | 1.86 | 2.58 | 0.89 |
| FT Mean | 10.05 | | | 11.75 | | |
| No. of FT Children | 38 | | | 40 | | |
| Matched NFT Site | Burlington, VT | | | San Jose, CA | | |

### Table C17-IIIK-22

### STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN FOR THE NSA MODEL

| | | SPONSOR'S SITES | | | GREAT FALLS, MT | | | CLEAR LAKE, WA | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | MAT NORM POPULATION | FT | NFT | Local Best Match | FT | NFT | Local Best Match | FT | NFT | Local Best Match |
| TOTAL READING | | | | | | | | | | |
| Third Grade Median | 61 | 59.9 | 70.7 | — | 60.8 | 68.9 | 58.8 | 59.0 | 72.4 | 58.2 |
| Median Percentile | 50 | 46.0 | 78.0 | 42.0 | 48.0 | 72.0 | 42.0 | 42.0 | 80.0 | 40.0 |
| Grade Equivalent | 3.5 | 3.4 | 4.6 | 3.3 | 3.5 | 4.4 | 3.3 | 3.3 | 4.8 | 3.2 |
| 1 Year or More Below Grade Level | 20 | 24.2 | 3.3 | — | 18.4 | 6.5 | 27.8 | 30.0 | 0.0 | 25.0 |
| TOTAL MATHEMATICS | | | | | | | | | | |
| Third Grade Median | 70.5 | 64.5 | 77.0 | — | 61.5 | 74.2 | 62.5 | 67.5 | 79.8 | 63.5 |
| Median Percentile | 50 | 32.0 | 70.0 | 26.0 | 23.0 | 62.0 | 26.0 | 40.0 | 77.0 | 28.0 |
| Grade Equivalent | 3.75 | 3.3 | 4.4 | 3.2 | 3.1 | 4.1 | 3.2 | 3.5 | 4.7 | 3.2 |
| 1 Year or More Below Grade Level | 12 | 19.3 | 3.9 | — | 23.7 | 7.8 | 38.9 | 15.0 | 0.0 | 33.3 |
| SPELLING | | | | | | | | | | |
| Third Grade Median | 64 | 61.7 | 68.0 | — | 62.1 | 66.4 | 63.2 | 61.3 | 69.7 | 63.5 |
| Median Percentile | 50 | 44.0 | 64.0 | 48.0 | 44.0 | 58.0 | 48.0 | 40.0 | 68.0 | 50.0 |
| Grade Equivalent | 3.6 | 3.4 | 4.2 | 3.5 | 3.4 | 3.9 | 3.5 | 3.3 | 4.4 | 3.6 |
| 1 Year or More Below Grade Level | 22 | 23.0 | 5.9 | — | 18.4 | 10.4 | 25.0 | 27.5 | 1.5 | 16.7 |
| LANGUAGE | | | | | | | | | | |
| Third Grade Median | 70 | 61.7 | 71.0 | — | 59.8 | 65.9 | 56.5 | 63.5 | 76.1 | 57.5 |
| Median Percentile | 50 | 30.0 | 52.0 | 20.0 | 26.0 | 40.0 | 20.0 | 34.0 | 68.0 | 22.0 |
| Grade Equivalent | 4.0 | 3.1 | 4.1 | 2.7 | 3.0 | 3.5 | 2.7 | 3.3 | 4.8 | 2.8 |
| 1 Year or More Below Grade Level | 14 | 48.9 | 18.8 | — | 55.3 | 28.6 | 55.6 | 42.5 | 9.0 | 58.3 |
| BEST MATCHED SITE | | | | | Burlington, VT | | | San Jose, CA | | |

Table C17-IIIK(PS)-22

### STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III KINDERGARTEN CHILDREN WITH HEADSTART FOR THE NSA MODEL

| | MAT NORM POPU- LATION | SPONSOR'S SITES | | GREAT FALLS, MT | | CLEAR LAKE, WA | |
|---|---|---|---|---|---|---|---|
| | | FT | NFT | FT | NFT | FT | NFT |
| TOTAL READING | | | | | | | |
| Third Grade Median | 61 | 60.2 | 70.8 | 60.9 | 69.0 | 59.5 | 72.5 |
| Median Percentile | 50 | 48 | 77 | 50 | 74 | 46 | 80 |
| Grade Equivalent | 3.5 | 3.4 | 4.6 | 3.5 | 4.4 | 3.4 | 4.8 |
| % 1 Year or More Below Grade Level | 20 | 24 | 4 | 18 | 7 | 30 | 0 |
| TOTAL MATHEMATICS | | | | | | | |
| Third Grade Median | 70.5 | 64.5 | 75.6 | 61.8 | 71.4 | 67.2 | 79.8 |
| Median Percentile | 50 | 30 | 64 | 23 | 52 | 38 | 77 |
| Grade Equivalent | 3.75 | 3.3 | 4.2 | 3.1 | 3.8 | 3.5 | 4.7 |
| % 1 Year or More Below Grade Level | 12 | 20 | 4 | 24 | 9 | 15 | 0 |
| SPELLING | | | | | | | |
| Third Grade Median | 64 | 61.8 | 68.7 | 62.0 | 67.2 | 61.6 | 70.2 |
| Median Percentile | 50 | 44 | 64 | 44 | 60 | 44 | 68 |
| Grade Equivalent | 3.6 | 3.4 | 4.2 | 3.4 | 4.1 | 3.4 | 4.4 |
| % 1 Year or More Below Grade Level | 22 | 22 | 6 | 18 | 9 | 27 | 2 |
| LANGUAGE | | | | | | | |
| Third Grade Median | 70 | 61.6 | 70.5 | 59.8 | 65.0 | 63.5 | 76.0 |
| Median Percentile | 50 | 30 | 53 | 26 | 38 | 34 | 68 |
| Grade Equivalent | 4.0 | 3.2 | 4.1 | 3.0 | 3.4 | 3.3 | 4.8 |
| % 1 Year or More Below Grade Level | 14 | 48 | 18 | 55 | 28 | 42 | 8 |

## Table C17-IIIK-23

MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES
USED IN THE ANALYTIC SAMPLE OF THE
COHORT III KINDERGARTEN CHILDREN
FOR THE NSA MODEL

| | SPONSOR'S SITES | | | GREAT FALLS, MT | | | CLEAR LAKE, WA | | |
|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | | | | |
| Mean | 31.2 | 38.3 | — | 26.7 | 34.3 | 30.6 | 35.6 | 42.3 | 36.8 |
| Standard Deviation | — | — | — | 11.9 | 13.4 | 12.2 | 13.3 | 9.1 | 11.9 |
| HIGHEST OCCUPATION IN HOUSE | | | | | | | | | |
| Mean | 14.8 | 15.2 | — | 15.3 | 15.0 | 15.7 | 14.2 | 15.4 | 14.5 |
| Standard Deviation | — | — | — | 2.1 | 2.1 | 2.6 | 2.2 | 2.4 | 1.6 |
| FAMILY INCOME IN DOLLARS | | | | | | | | | |
| Mean | 5973 | 7962 | — | 6181 | 7346 | 7747 | 5765 | 8577 | 5554 |
| Standard Deviation | — | — | — | 3328 | 2548 | 2360 | 2743 | 2022 | 3017 |
| MISSING INCOME INFORMATION | | | | | | | | | |
| No. Missing | — | — | — | 11 | 23 | 2 | 6 | 9 | 1 |
| Valid Cases | — | — | — | 27 | 54 | 34 | 34 | 58 | 11 |
| ETHNIC MEMBERSHIP/RACE | | | | | | | | | |
| Percent White | 64 | 95 | — | 74 | 91 | 97 | 55 | 100 | 33 |
| Percent Black | 4 | 0 | — | 8 | 0 | 3 | 0 | 0 | 0 |
| SEX Percent Female | 52 | 55 | — | 47 | 55 | 50 | 58 | 55 | 67 |
| ENTRY AGE IN MONTHS | | | | | | | | | |
| Mean | 67.2 | 66.2 | — | 66.6 | 66.4 | 64.5 | 67.9 | 66.0 | 66.6 |
| Standard Deviation | — | — | — | 3.8 | 3.6 | 4.2 | 3.8 | 4.1 | 7.0 |
| FIRST LANGUAGE | | | | | | | | | |
| Percent English | 96 | 100 | — | 100 | 100 | 100 | 93 | 100 | 50 |
| BEST MATCHED SITE | | | | Burlington, VT | | | San Jose, CA | | |

**COHORT III-K STUDY**
**Non-Preschool Adjusted**

## Table C17-IIIK-24

## MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES FOR THE COHORT III KINDERGARTEN CHILDREN IN THE NSA MODEL

| | ALL SITES | | SPONSOR'S SITES | | | GREAT FALLS, MT | | | CLEAR LAKE, WA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING Mean | 41.25 | 46.14 | 49.89 | 65.96 | — | 50.95 | 61.96 | 51.08 | 48.83 | 69.96 | 54.00 |
| Standard Deviation | | | — | — | — | 20.66 | 16.61 | 23.59 | 20.67 | 13.75 | 21.96 |
| TOTAL MATHEMATICS Mean | 47.77 | 50.84 | 54.40 | 72.89 | — | 51.63 | 67.68 | 48.86 | 57.18 | 78.10 | 54.58 |
| Standard Deviation | | | — | — | — | 21.54 | 19.63 | 23.95 | 18.96 | 14.28 | 21.04 |
| LANGUAGE Mean | 16.60 | 18.44 | 19.21 | 27.31 | — | 17.97 | 24.51 | 18.94 | 20.45 | 31.10 | 18.17 |
| Standard Deviation | | | — | — | — | 9.93 | 9.64 | 10.74 | 8.35 | 9.10 | 7.81 |
| SPELLING Mean | 17.64 | 20.63 | 20.28 | 27.72 | — | 21.84 | 25.60 | 21.69 | 18.73 | 29.85 | 23.58 |
| Standard Deviation | | | — | — | — | 10.35 | 9.19 | 12.16 | 10.35 | 7.64 | 12.86 |
| RAVEN'S PROGRESSIVE MAT. Mean | 18.15 | 18.95 | 21.10 | 22.48 | — | 20.32 | 22.27 | 20.83 | 21.88 | 22.69 | 20.25 |
| Standard Deviation | | | — | — | — | 4.61 | 3.51 | 4.25 | 3.88 | 3.48 | 4.05 |
| COOPERSMITH'S SELF-EST. Mean | 35.64 | 36.59 | 36.99 | 38.94 | — | 37.29 | 37.61 | 35.97 | 36.70 | 40.27 | 33.42 |
| Standard Deviation | | | — | — | — | 7.15 | 7.43 | 6.39 | 7.91 | 7.62 | 7.53 |
| IARS-LOCUS NEGATIVE Mean | 9.91 | 10.11 | 9.69 | 11.05 | — | 10.00 | 11.00 | 10.75 | 9.38 | 11.10 | 10.08 |
| Standard Deviation | | | — | — | — | 2.51 | 2.50 | 2.85 | 3.53 | 2.97 | 1.98 |
| IARS-LOCUS POSITIVE Mean | 12.83 | 13.07 | 12.78 | 14.08 | — | 13.11 | 13.77 | 12.61 | 12.45 | 14.39 | 12.08 |
| Standard Deviation | | | — | — | — | 2.23 | 2.11 | 2.64 | 2.31 | 1.71 | 1.98 |
| WORD KNOWLEDGE Mean | 23.30 | 26.29 | 28.37 | 37.26 | — | 29.32 | 34.79 | 29.56 | 27.43 | 39.73 | 30.17 |
| Standard Deviation | | | — | — | — | 11.83 | 9.22 | 13.06 | 12.12 | 7.96 | 13.36 |
| READING Mean | 17.95 | 19.85 | 21.52 | 28.70 | — | 21.63 | 27.17 | 21.53 | 21.40 | 30.22 | 23.83 |
| Standard Deviation | | | — | — | — | 9.58 | 8.38 | 11.37 | 9.29 | 6.80 | 8.91 |
| MATH COMPUTATIONS Mean | 18.16 | 18.55 | 19.81 | 24.91 | — | 18.74 | 23.43 | 16.83 | 20.88 | 26.39 | 18.33 |
| Standard Deviation | | | — | — | — | 7.39 | 6.15 | 8.37 | 7.00 | 5.10 | 6.85 |
| MATH CONCEPTS Mean | 16.41 | 18.04 | 18.54 | 26.33 | — | 17.58 | 24.66 | 17.89 | 19.50 | 28.00 | 19.00 |
| Standard Deviation | | | — | — | — | 7.49 | 7.59 | 8.43 | 6.94 | 5.59 | 8.99 |
| MATH PROBLEM SOLVING Mean | 13.20 | 14.25 | 16.06 | 21.65 | — | 15.32 | 19.58 | 14.14 | 16.80 | 23.72 | 17.25 |
| Standard Deviation | | | — | — | — | 8.23 | 7.51 | 8.35 | 7.29 | 5.62 | 6.57 |
| LANGUAGE PART A Mean | 7.59 | 8.13 | 8.31 | 10.80 | — | 7.92 | 10.25 | 8.75 | 8.70 | 11.36 | 7.33 |
| Standard Deviation | | | — | — | — | 3.38 | 2.51 | 3.35 | 2.91 | 2.09 | 3.34 |
| LANGUAGE PART B Mean | 9.01 | 10.31 | 10.90 | 17.00 | — | 10.05 | 14.26 | 10.19 | 11.75 | 19.75 | 10.83 |
| Standard Deviation | | | — | — | — | 7.57 | 8.23 | 8.36 | 6.68 | 7.93 | 7.25 |
| BEST MATCH SITE | | | | | | Burlington, VT | | | San Jose, CA | | |

## Table C17-IIIK-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K LOCAL ANALYSES FOR THE NSA MODEL

### CODE

FKW = Fall Kindergarten WRAT
LANG = First Language
SEX = Sex
NOINC = Missing Income
OCCUP = Occupation
ENTAGE = Entry Age
INCOME = Income
ETH1 = White vs. Black
ETH2 = White vs. Other
NOOCCUP = Missing Occupation

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .69689108 | .10209907 |
| LANG | -1.4851734 | 10.328427 |
| SEX | -2.9860068 | 2.2921548 |
| NOINC | 2.7691047 | 7.7356040 |
| OCCUP | .74219270 | .54049747 |
| ENTAGE | -.16406572 | .30840321 |
| INCOME | -.26125418E-03 | .46109818E-03 |
| ETH1 | 11.577626 | 7.3544154 |
| ETH2 | -1.7534295 | 4.1431539 |
| NOOCCUP | .53088286 | 7.6235112 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .79855372 | .10849439 |
| LANG | 5.4410292 | 10.975383 |
| SEX | -4.4688727 | 2.4357317 |
| NOINC | 1.4381805 | 8.2201498 |
| OCCUP | -.12843372 | .57435336 |
| ENTAGE | .11127716 | .32772109 |
| INCOME | .24039093E-04 | .48998063E-03 |
| ETH1 | 10.754817 | 7.8150841 |
| ETH2 | -3.5835024 | 4.4026743 |
| NOOCCUP | 3.8809848 | 8.1010357 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .24124093 | .61145910E-01 |
| LANG | 1.5112529 | 6.1855712 |
| SEX | 1.2802437 | 1.3727441 |
| NOINC | -3.6448252 | 4.6327605 |
| OCCUP | .17656419 | .32369746 |
| ENTAGE | -.13806146 | .18469899 |
| INCOME | -.58860915E-04 | .27614617E-03 |
| ETH1 | 2.1350544 | 4.4044712 |
| ETH2 | -.24095739E-01 | 2.4812852 |
| NOOCCUP | 2.0792424 | 4.5656295 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .38438976 | .56577604E-01 |
| LANG | 7.2482741 | 5.7234375 |
| SEX | .12322877 | 1.2701842 |
| NOINC | 1.2004940 | 4.2866397 |
| OCCUP | -.14614104 | .29951351 |
| ENTAGE | -.71878537E-01 | .17089984 |
| INCOME | .31473922E-03 | .25551486E-03 |
| ETH1 | .63766093 | 4.0754063 |
| ETH2 | -.40132254E-02 | 2.2959045 |
| NOOCCUP | -1.4773292 | 4.2245242 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .10763723 | .24286968E-01 |
| LANG | -.58041777 | 2.4568899 |
| SEX | -.93616457 | .54524972 |
| NOINC | -2.5808727 | 1.8401182 |
| OCCUP | .83832848E-04 | .12857163 |
| ENTAGE | .60358481E-02 | .73361869E-01 |
| INCOME | -.11707918E-03 | .10968441E-03 |
| ETH1 | 4.0867439 | 1.7494424 |
| ETH2 | -1.3272354 | .98555885 |
| NOOCCUP | 3.6987308 | 1.8134540 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .10721945 | .51372128E-01 |
| LANG | -.48576487 | 5.1968473 |
| SEX | -3.2671161 | 1.1533197 |
| NOINC | 3.1499665 | 3.8922434 |
| OCCUP | -.22720306 | .27195649 |
| ENTAGE | .42643559E-01 | .15517604 |
| INCOME | .12316671E-03 | .23200598E-03 |
| ETH1 | .45200697 | 3.7004447 |
| ETH2 | -.82942489 | 2.0846476 |
| NOOCCUP | -3.5151451 | 3.8358429 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .56887131E-01 | .13432694E-01 |
| LANG | -.92898438 | 1.3588675 |
| SEX | -.32179220 | .30156801 |
| NOINC | -.16581585 | 1.0177370 |
| OCCUP | -.64318784E-01 | .71110705E-01 |
| ENTAGE | -.28191776E-01 | .40575157E-01 |
| INCOME | .58477306E-04 | .60664515E-04 |
| ETH1 | 1.9461464 | .96758578 |
| ETH2 | -.77024008 | .54509523 |
| NOOCCUP | .12902274 | 1.0029894 |

## Table C17-IIIK-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .21743254E-01 | .19792626E-01 |
| LANG | .56415152 | 2.0022385 |
| SEX | -.90506934E-01 | .44435040 |
| NOINC | -.57953903 | 1.4996014 |
| OCCUP | .47698370E-01 | .10477925 |
| ENTAGE | .34396637E-01 | .59786139E-01 |
| INCOME | .65076643E-04 | .89387138E-04 |
| ETH1 | .37178641 | 1.4257053 |
| ETH2 | .50703986 | .80317962 |
| NOOCCUP | .80356566 | 1.4778715 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .37222214 | .59844949E-01 |
| LANG | 1.1984782 | 6.0539648 |
| SEX | -1.2843882 | 1.3435371 |
| NOINC | 3.1285912 | 4.5341923 |
| OCCUP | .41737743 | .31681036 |
| ENTAGE | -.16376684 | .18076927 |
| INCOME | -.10141125E-03 | .27027079E-03 |
| ETH1 | 4.3965949 | 4.3107602 |
| ETH2 | .16932728 | 2.4284925 |
| NOOCCUP | -1.1447059 | 4.4684896 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .32466894 | .49619572E-01 |
| LANG | -2.6836516 | 5.0195572 |
| SEX | -1.7016187 | 1.1139743 |
| NOINC | -.35948656 | 3.7594599 |
| OCCUP | .32481527 | .26267872 |
| ENTAGE | -.29887420E-03 | .14988222 |
| INCOME | -.15984293E-03 | .22409111E-03 |
| ETH1 | 7.1810308 | 3.5742044 |
| ETH2 | -1.9227568 | 2.0135494 |
| NOOCCUP | 1.6755887 | 3.7049834 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .29442511 | .41527441E-01 |
| LANG | .77952617 | 4.2009505 |
| SEX | -2.0766022 | .93230353 |
| NOINC | .84298330E-01 | 3.1463542 |
| OCCUP | -.33242945E-01 | .21984017 |
| ENTAGE | -.34948744E-01 | .12543891 |
| INCOME | .36396001E-04 | .18754556E-03 |
| ETH1 | 4.3424972 | 2.9913108 |
| ETH2 | -1.8863366 | 1.6851728 |
| NOOCCUP | 1.3545763 | 3.1007619 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .21877832 | .39058617E-01 |
| LANG | 1.8551327 | 3.9512022 |
| SEX | -.64194672 | .87687769 |
| NOINC | .80488303 | 2.9593021 |
| OCCUP | -.19975575 | .20677058 |
| ENTAGE | .15289528 | .11798151 |
| INCOME | -.47403996E-04 | .17639590E-03 |
| ETH1 | 3.3424418 | 2.8134761 |
| ETH2 | -.98221002 | 1.5849885 |
| NOOCCUP | .67914564 | 2.9164203 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .28535028 | .42756015E-01 |
| LANG | 2.8063764 | 4.3252340 |
| SEX | -1.7503237 | .95988537 |
| NOINC | .54899913 | 3.2394378 |
| OCCUP | .10456498 | .22634405 |
| ENTAGE | -.66693808E-02 | .12914997 |
| INCOME | .35047688E-04 | .19309402E-03 |
| ETH1 | 3.0698785 | 3.0799076 |
| ETH2 | -.71495575 | 1.7350280 |
| NOOCCUP | 1.8472629 | 3.1924968 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .86559839E-01 | .16723648E-01 |
| LANG | .94845472 | 1.6917781 |
| SEX | -.74606824E-01 | .37545091 |
| NOINC | .53077840 | 1.2670783 |
| OCCUP | -.44835896E-01 | .88532531E-01 |
| ENTAGE | .26023602E-01 | .50515901E-01 |
| INCOME | .26050379E-04 | .75527068E-04 |
| ETH1 | 1.3742567 | 1.2046403 |
| ETH2 | -.28522920 | .67864128 |
| NOOCCUP | -.22832363 | 1.2487177 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FKW | .29782992 | .48626044E-01 |
| LANG | 6.2998194 | 4.9190511 |
| SEX | .19783559 | 1.0916693 |
| NOINC | .66971561 | 3.6841845 |
| OCCUP | -.10130515 | .25741913 |
| ENTAGE | -.97902139E-01 | .14688114 |
| INCOME | .28868885E-03 | .21960416E-03 |
| ETH1 | -.73659576 | 3.5026384 |
| ETH2 | .28121597 | 1.9732322 |
| NOOCCUP | -1.2490056 | 3.6307988 |

**COHORT III-K**
**Preschool Adjusted Study**

## Table C17-IIIK(PS)-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-K PRESCHOOL ADJUSTED LOCAL ANALYSES FOR THE NSA MODEL

CODE

SEX = Sex
ENTAGE = Entry Age
INCOME = Income
NOINC = Missing Income
OCCUP = Occupation
NOOCCUP = Missing Occupation
ETH2 = White vs. Other
ETH1 = White vs. Black
LANG = First Language
PSSOME = Some Preschool
PSHS = Head Start
FKW = Fall Kindergarten WRAT
FKWHS = FKW x Head Start
FKWSOME = FKW x Some Preschool

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -2.4885263 | 2.2840873 |
| ENTAGE | -.23579691 | .30750379 |
| INCOME | -.55557950E-03 | .48073261E-03 |
| NOINC | 6.9630994 | 7.4064009 |
| OCCUP | .85238229 | .55126724 |
| NOOCCUP | -1.1464746 | 7.2615172 |
| ETH2 | -2.2049981 | 3.8700821 |
| ETH1 | 6.3924067 | 6.9411569 |
| LANG | 4.9992129 | 9.7288622 |
| PSSOME | 4.0863902 | 10.418813 |
| PSHS | -24.114351 | 8.2952189 |
| FKW | .62558993 | .12978513 |
| FKWHS | .49404233 | .23882599 |
| FKWSOME | -.94015650E-01 | .24815186 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -4.0705978 | 2.5176492 |
| ENTAGE | .90954890E-01 | .33894739 |
| INCOME | -.73721686E-04 | .52989047E-03 |
| NOINC | .45623276 | 8.1637508 |
| OCCUP | -.54382401E-01 | .60763769 |
| NOOCCUP | 1.8939151 | 8.0040518 |
| ETH2 | -4.5739343 | 4.2658218 |
| ETH1 | 9.1277552 | 7.6509327 |
| LANG | 8.3223329 | 10.723698 |
| PSSOME | -4.6398928 | 11.484201 |
| PSHS | -10.881714 | 9.1434559 |
| FKW | .74712775 | .14305646 |
| FKWHS | .18614164 | .20324741 |
| FKWSOME | .25291340E-01 | .27352691 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | 1.8980447 | 1.3941204 |
| ENTAGE | -.16685631 | .18768837 |
| INCOME | -.11920751E-03 | .29342099E-03 |
| NOINC | -1.6775334 | 4.5205867 |
| OCCUP | .25819026 | .33647265 |
| NOOCCUP | 1.1520418 | 4.4321552 |
| ETH2 | .11759569 | 2.3621516 |
| ETH1 | -.62951031 | 4.2366194 |
| LANG | 4.8653279 | 5.9381292 |
| PSSOME | 5.3179504 | 6.3592491 |
| PSHS | -16.536694 | 5.0630876 |
| FKW | .19072441 | .79215932E-01 |
| FKWHS | .29208954 | .14577034 |
| FKWSOME | -.14880402 | .15146250 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .32310513 | 1.2772465 |
| ENTAGE | -.52457470E-01 | .17195381 |
| INCOME | .25195341E-03 | .26882250E-03 |
| NOINC | .22436100 | 4.1416104 |
| OCCUP | -.23057142 | .30826499 |
| NOOCCUP | -3.7919893 | 4.0605924 |
| ETH2 | -.97497546 | 2.1641243 |
| ETH1 | -.66207491 | 3.6814490 |
| LANG | 8.3039133 | 5.4403154 |
| PSSOME | -1.3600721 | 5.8261314 |
| PSHS | -5.6674198 | 4.6386315 |
| FKW | .35538853 | .72574987E-01 |
| FKWHS | .36372669E-01 | .13354991 |
| FKWSOME | .17093858E-01 | .13876488 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.4542916 | .56812571 |
| ENTAGE | .69871846E-02 | .76485924E-01 |
| INCOME | -.15368390E-03 | .11957361E-03 |
| NOINC | -2.7701564 | 1.8422093 |
| OCCUP | -.10555650E-01 | .13711783 |
| NOOCCUP | 3.0420779 | 1.8061721 |
| ETH2 | -1.7260963 | .96261346 |
| ETH1 | 3.9542528 | 1.7264882 |
| LANG | -.50631158 | 2.4198798 |
| PSSOME | .69743970 | 2.5914927 |
| PSHS | -.22653769 | 2.0632868 |
| FKW | .12957767 | .32281722E-01 |
| FKWHS | -.12057005E-01 | .59403677E-01 |
| FKWSOME | .44912377E-02 | .61723321E-01 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -3.7618622 | 1.1906402 |
| ENTAGE | .18700619E-01 | .16029413 |
| INCOME | .19678631E-03 | .25059444E-03 |
| NOINC | 2.6776270 | 3.8607850 |
| OCCUP | -.20165039 | .28736245 |
| NOOCCUP | -3.7662330 | 3.7852556 |
| ETH2 | -.97310948 | 2.0173815 |
| ETH1 | -.95900617E-01 | 3.6182594 |
| LANG | .46657239 | 5.0714237 |
| PSSOME | 2.9029908 | 5.4310786 |
| PSHS | -3.1307317 | 4.3240997 |
| FKW | .13144110 | .67653892E-01 |
| FKWHS | .10540362 | .12449429 |
| FKWSOME | -.76205227E-01 | .12935564 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.32417881 | .31850757 |
| ENTAGE | -.33793747E-01 | .42880203E-01 |
| INCOME | .48505341E-04 | .67036394E-04 |
| NOINC | -.32307835 | 1.0327954 |
| OCCUP | -.64780658E-01 | .76872188E-01 |
| NOOCCUP | -.33771973E-01 | 1.0125919 |
| ETH2 | -.92400075 | .53966871 |
| ETH1 | 1.7911489 | .96791878 |
| LANG | -.63682303 | 1.3566540 |
| PSSOME | -1.1457071 | 1.4528652 |
| PSHS | -1.1583955 | 1.1567378 |
| FKW | .51268486E-01 | .18098059E-01 |
| FKWHS | .15893620E-01 | .33303405E-01 |
| FKWSOME | .21903619E-01 | .34603864E-01 |

## Table C17-IIIK(PS)-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .22232349 | .44573485 |
| ENTAGE | .27462250E-02 | .60008623E-01 |
| INCOME | .62561689E-04 | .93813962E-04 |
| NOINC | -.14470460 | 1.4453436 |
| OCCUP | .53773515E-01 | .10757865 |
| NOOCCUP | .78623050 | 1.4170699 |
| ETH2 | .56239912 | .75523842 |
| ETH1 | -.32632309 | 1.3545592 |
| LANG | 1.5769482 | 1.8985671 |
| PSSOME | .51102247 | 2.0332096 |
| PSHS | -3.5929336 | 1.6187946 |
| FKW | .12562206E-01 | .25327297E-01 |
| FKWHS | .83387455E-01 | .46606391E-01 |
| FKWSOME | -.30426475E-01 | .48426315E-01 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.4830055 | 1.1108184 |
| ENTAGE | -.45523425E-01 | .14954784 |
| INCOME | -.33182125E-03 | .23379432E-03 |
| NOINC | 1.8155617 | 3.6019491 |
| OCCUP | .38727950 | .26809736 |
| NOOCCUP | .73412324 | 3.5314880 |
| ETH2 | -2.1910493 | 1.8821340 |
| ETH1 | 4.9192075 | 3.3756874 |
| LANG | .71316626E-01 | 4.7314299 |
| PSSOME | 1.7532391 | 5.0669732 |
| PSHS | -9.9599307 | 4.0342073 |
| FKW | .30170060 | .63118302E-01 |
| FKWHS | .17629671 | .11614805 |
| FKWSOME | -.53684579E-01 | .12068350 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.80212580 | .90105271 |
| ENTAGE | .12351717 | .12130739 |
| INCOME | -.51911819E-04 | .18964486E-03 |
| NOINC | .11408866 | 2.9217612 |
| OCCUP | -.19572827 | .21747016 |
| NOOCCUP | .58077732 | 2.8646058 |
| ETH2 | -1.2808379 | 1.5267140 |
| ETH1 | 3.5044669 | 2.7382264 |
| LANG | 2.1794675 | 3.8379521 |
| PSSOME | -2.9998456 | 4.1101318 |
| PSHS | -1.0059536 | 3.2723922 |
| FKW | .21518682 | .51199114E-01 |
| FKWHS | .13748876E-01 | .94214789E-01 |
| FKWSOME | .46767851E-01 | .97893765E-01 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -.86391924E-01 | .38406559 |
| ENTAGE | .26743343E-01 | .51706182E-01 |
| INCOME | .13583272E-04 | .80834413E-04 |
| NOINC | .48247904 | 1.2453743 |
| OCCUP | -.37349744E-01 | .92694696E-01 |
| NOOCCUP | -.64353162 | 1.2210124 |
| ETH2 | -.46642670 | .65074806 |
| ETH1 | .65540567 | 1.1671443 |
| LANG | 1.9528564 | 1.6358925 |
| PSSOME | -.38599233 | 1.7519066 |
| PSHS | -4.1596479 | 1.3948277 |
| FKW | .61748317E-01 | .21823160E-01 |
| FKWHS | .94075162E-01 | .40158204E-01 |
| FKWSOME | .10728916E-01 | .41726334E-01 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.0055208 | 1.3503059 |
| ENTAGE | -.19027349 | .18178969 |
| INCOME | -.22375826E-03 | .28419934E-03 |
| NOINC | 5.1475377 | 4.3785135 |
| OCCUP | .46510279 | .32589798 |
| NOOCCUP | -1.8805979 | 4.2928612 |
| ETH2 | -.13948816E-01 | 2.2879138 |
| ETH1 | 1.4731992 | 4.1034707 |
| LANG | 4.9278963 | 5.7515054 |
| PSSOME | 2.3331511 | 6.1593904 |
| PSHS | -14.154420 | 4.9039647 |
| FKW | .32388933 | .76726330E-01 |
| FKWHS | .31774562 | .14118906 |
| FKWSOME | -.40331071E-01 | .14670233 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -2.0090483 | .96401507 |
| ENTAGE | -.10357447E-01 | .12978392 |
| INCOME | -.39812564E-04 | .20289657E-03 |
| NOINC | .37660353 | 3.1259235 |
| OCCUP | -.41758745E-01 | .23266621 |
| NOOCCUP | .28392594 | 3.0647743 |
| ETH2 | -2.2267093 | 1.6333953 |
| ETH1 | 3.2342023 | 2.9295640 |
| LANG | 1.9439710 | 4.1061346 |
| PSSOME | .53758571 | 4.3973332 |
| PSHS | -4.9161001 | 3.5010554 |
| FKW | .27664332 | .54776726E-01 |
| FKWHS | .66501854E-01 | .10079818 |
| FKWSOME | -.32360059E-01 | .10473423 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | -1.2594237 | .98794765 |
| ENTAGE | -.22204837E-01 | .13300593 |
| INCOME | .18062698E-04 | .20793367E-03 |
| NOINC | -.34459433E-01 | 3.2035275 |
| OCCUP | .18310462 | .23844236 |
| NOOCCUP | 1.0292118 | 3.1408602 |
| ETH2 | -1.0663871 | 1.6739459 |
| ETH1 | 2.3890860 | 3.0022932 |
| LANG | 4.1988944 | 4.2080732 |
| PSSOME | -2.1776330 | 4.5065012 |
| PSHS | -4.9596600 | 3.5879724 |
| FKW | .25530361 | .56136610E-01 |
| FKWHS | .10589091 | .10330059 |
| FKWSOME | .10883549E-01 | .10733436 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| SEX | .40949706 | 1.0948319 |
| ENTAGE | -.79200813E-01 | .14739560 |
| INCOME | .23837013E-03 | .23042964E-03 |
| NOINC | -.25811805 | 3.5501114 |
| OCCUP | -.19322168 | .26423902 |
| NOOCCUP | -3.1484577 | 3.4806642 |
| ETH2 | -.40854876 | 1.8550471 |
| ETH1 | -1.3174806 | 3.3271059 |
| LANG | 6.3510569 | 4.6633371 |
| PSSOME | -.97407981 | 4.9940514 |
| PSHS | -1.5077718 | 3.9761487 |
| FKW | .29364022 | .62209929E-01 |
| FKWHS | -.57202494E-01 | .11447650 |
| FKWSOME | .63649419E-02 | .11894667 |

Table C17-IIIK(PS)-26

### TREATMENT REGRESSION COEFFICIENTS AND STANDARD ERRORS BY OUTCOME FOR HEAD START STUDIES OF COHORT III-K SITES IN THE NSA MODEL

| | Great Falls, MT | | Clear Lake, WA | |
|---|---|---|---|---|
| | Pooled | Local | Pooled | Local |
| **Word Knowledge** | | | | |
| b | .27 | -1.47 | -14.48 | -7.02** |
| Standard Error | 1.58 | 2.09 | 1.75 | 2.21 |
| **Spelling** | | | | |
| b | 1.35 | -1.69 | -12.21** | -8.06** |
| Standard Error | 1.49 | 2.16 | 1.52 | 2.29 |
| **Language** | | | | |
| b | -2.14 | -1.27 | -12.67** | -5.47** |
| Standard Error | 1.11 | 1.89 | 1.32 | 2.09 |
| **Math Computations** | | | | |
| b | -1.33 | -2.03 | -4.92** | -3.85** |
| Standard Error | .90 | 1.40 | 1.00 | 1.48 |
| **Raven's** | | | | |
| b | - .47 | - .44 | - .09 | .40 |
| Standard Error | .69 | .88 | .53 | .93 |
| **Reading** | | | | |
| b | -1.35 | -2.15 | -11.53** | -5.08** |
| Standard Error | 1.18 | 1.72 | 1.53 | 1.82 |
| **Math Concepts** | | | | |
| b | -2.89** | -3.89** | -11.37** | -5.84** |
| Standard Error | .88 | 1.49 | 1.12 | 1.58 |
| **Math Problem Solving** | | | | |
| b | - .10 | - .58 | - 8.18** | -3.96* |
| Standard Error | 1.03 | 1.53 | 1.01 | 1.62 |
| **Coopersmith** | | | | |
| b | .69 | .85 | - 3.39* | -2.67 |
| Standard Error | 1.16 | 1.84 | 1.24 | 1.95 |
| **IARS (-)** | | | | |
| b | - .79 | - .75 | - .73 | - .72 |
| Standard Error | .49 | .69 | .50 | .73 |
| **IARS (+)** | | | | |
| b | .04 | .37 | -2.26** | 1.17* |
| Standard Error | .31 | .49 | .38 | .52 |
| **Total Reading** | | | | |
| b | -1.08 | -3.62 | -26.00** | -12.10** |
| Standard Error | 2.58 | 3.54 | 3.16 | 3.74 |
| **Total Math** | | | | |
| b | -4.32 | -6.50 | -24.48** | -13.65** |
| Standard Error | 3.48 | 3.90 | 2.60 | 4.13 |
| **Language Part A** | | | | |
| b | - .79 | - .96 | - 1.97** | -1.57* |
| Standard Error | .40 | .59 | .39 | .63 |
| **Language Part B** | | | | |
| b | -1.35 | - 32 | -10.70** | -3.90* |
| Standard Error | .35 | 1.70 | 1.18 | 1.79 |

* p < .05

** p < .01

1514

## Table C17-IIIK(PS)-27

### BACKGROUND VARIABLES FOR FT AND NFT CHILDREN IN COHORT III-K PRESCHOOL SAMPLE FOR NSA MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 38 | 13 | 27 | 78 | 17 | 27 | 73 | 117 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 27.95 | 37.15 | 33.15 | 31.28 | 31.71 | 42.67 | 38.47 | 38.45 |
| STANDARD DEVIATION | 11.98 | 14.67 | 13.62 | 13.33 | 2.52 | 9.50 | 12.70 | 11.91 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.52 | 16.50 | 15.00 | 14.66 | 14.19 | 15.62 | 15.43 | 15.29 |
| STANDARD DEVIATION | 1.96 | 2.07 | 1.76 | 2.22 | 1.76 | 2.43 | 2.18 | 2.22 |
| NUMBER | 25 | 12 | 19 | 56 | 16 | 26 | 67 | 109 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 4579.24 | 6292.00 | 7804.84 | 5948.95 | 5500.00 | 8707.19 | 8329.48 | 8004.24 |
| STANDARD DEVIATION | 2402.57 | 3425.39 | 2528.66 | 2996.94 | 2521.90 | 1840.05 | 2165.84 | 2376.42 |
| MEDIAN | 4200.00 | 6800.00 | 8700.00 | 5650.25 | 5100.00 | 9899.50 | 9200.00 | 8762.19 |
| NUMBER | 29 | 13 | 19 | 61 | 16 | 26 | 67 | 109 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 6.90 | 30.77 | 42.11 | 22.95 | 0.00 | 50.00 | 37.31 | 34.86 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 36.84 | 84.62 | 92.59 | 64.10 | 70.59 | 100.00 | 97.26 | 94.02 |
| PERCENT BLACK | 7.89 | 0.00 | 0.00 | 3.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 44.74 | 84.62 | 48.15 | 52.56 | 64.71 | 51.85 | 52.05 | 53.85 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 67.89 | 66.87 | 66.51 | 67.24 | 66.81 | 66.82 | 65.91 | 66.25 |
| STANDARD DEVIATION | 4.21 | 3.61 | 3.32 | 3.86 | 4.14 | 3.82 | 3.77 | 3.83 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 94.74 | 100.00 | 96.30 | 96.15 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.08 | 13.60 | 12.43 | 12.52 | 11.45 | 13.92 | 13.08 | 13.03 |
| STANDARD DEVIATION | 2.14 | 2.08 | 2.03 | 2.14 | 2.90 | 1.42 | 1.62 | 1.96 |
| NUMBER | 28 | 13 | 18 | 59 | 17 | 26 | 67 | 110 |
| PERCENT HS GRAD | 50.00 | 76.92 | 72.22 | 62.71 | 52.94 | 96.15 | 85.07 | 82.73 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 37.93 | 38.46 | 0.00 | 26.23 | 41.18 | 7.69 | 8.96 | 13.64 |
| NUMBER | 29 | 13 | 19 | 61 | 17 | 26 | 67 | 110 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 48.72 | 100.00 | 0.00 | 0.00 | 14.53 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 16.67 | 0.00 | 100.00 | 0.00 | 23.08 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 34.62 | 0.00 | 0.00 | 100.00 | 62.39 |

## Table C17-IIIK(PS)-28

### BACKGROUND VARIABLES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR NSA MODEL IN GREAT FALLS, MT

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 16 | 7 | 15 | 38 | 16 | 6 | 35 | 57 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 23.87 | 34.71 | 26.00 | 26.71 | 31.06 | 41.83 | 34.57 | 34.35 |
| STANDARD DEVIATION | 12.31 | 14.08 | 9.19 | 11.89 | 8.69 | 14.85 | 14.29 | 13.15 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 14.00 | 16.57 | 15.10 | 15.26 | 14.33 | 15.50 | 15.34 | 15.08 |
| STANDARD DEVIATION | 2.61 | 2.07 | 1.45 | 2.14 | 1.72 | 2.43 | 2.15 | 2.08 |
| NUMBER | 6 | 7 | 10 | 23 | 15 | 6 | 32 | 53 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 3480.00 | 7385.14 | 8039.50 | 6181.15 | 5613.33 | 8666.17 | 7984.06 | 7390.32 |
| STANDARD DEVIATION | 1717.75 | 3907.85 | 2408.42 | 3328.39 | 2567.90 | 1510.32 | 2315.88 | 2551.01 |
| MEDIAN | 2710.00 | 9811.50 | 7500.00 | 6250.00 | 5700.00 | 8200.00 | 8299.50 | 8117.08 |
| NUMBER | 10 | 7 | 10 | 27 | 15 | 6 | 32 | 53 |
| FAMILY INCOME GF 9999 | | | | | | | | |
| PERCENT | 0.00 | 57.14 | 50.00 | 33.33 | 0.00 | 50.00 | 31.25 | 24.53 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 37.50 | 100.00 | 100.00 | 73.68 | 68.75 | 100.00 | 94.29 | 87.72 |
| PERCENT BLACK | 18.75 | 0.00 | 0.00 | 7.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 37.50 | 71.43 | 46.67 | 47.37 | 68.75 | 50.00 | 48.57 | 54.39 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 67.53 | 67.49 | 65.12 | 66.57 | 66.66 | 67.77 | 66.39 | 66.61 |
| STANDARD DEVIATION | 4.25 | 3.92 | 2.99 | 3.82 | 4.23 | 3.37 | 3.55 | 3.69 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.09 | 12.99 | 12.21 | 12.38 | 11.35 | 14.00 | 12.96 | 12.60 |
| STANDARD DEVIATION | 2.83 | 1.65 | 1.74 | 2.12 | 2.97 | 1.67 | 1.78 | 2.32 |
| NUMBER | 9 | 7 | 9 | 25 | 16 | 6 | 32 | 54 |
| PERCENT HS GRAD | 55.56 | 71.43 | 77.78 | 68.00 | 50.00 | 100.00 | 78.13 | 72.22 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 60.00 | 28.57 | 0.00 | 29.63 | 37.50 | 33.33 | 15.63 | 24.07 |
| NUMBER | 10 | 7 | 10 | 27 | 16 | 6 | 32 | 54 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 42.11 | 100.00 | 0.00 | 0.00 | 28.07 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 18.42 | 0.00 | 100.00 | 0.00 | 10.53 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 39.47 | 0.00 | 0.00 | 100.00 | 61.40 |

Table C17-IIIK(PS)-28 (cont.)

BACKGROUND VARIABLES
FOR FT AND NFT CHILDREN
IN COHORT III-K PRESCHOOL SAMPLE
FOR NSA MODEL IN CLEAR LAKE, WA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 22 | 6 | 12 | 40 | 1 | 21 | 38 | 60 |
| FALL KINDERGARTEN WRAT | | | | | | | | |
| MEAN | 30.91 | 40.00 | 42.08 | 35.63 | 42.00 | 42.90 | 42.05 | 42.35 |
| STANDARD DEVIATION | 11.08 | 16.14 | 13.20 | 13.30 | 0.00 | 7.87 | 9.94 | 9.12 |
| HIGHEST HOUSEHOLD OCCUPATION | | | | | | | | |
| MEAN | 13.37 | 16.40 | 14.89 | 14.24 | 12.00 | 15.65 | 15.51 | 15.50 |
| STANDARD DEVIATION | 1.77 | 2.30 | 2.15 | 2.21 | 0.00 | 2.50 | 2.24 | 2.34 |
| NUMBER | 19 | 5 | 9 | 33 | 1 | 20 | 35 | 56 |
| FAMILY INCOME IN DOLLARS | | | | | | | | |
| MEAN | 5157.79 | 5016.67 | 7544.11 | 5764.56 | 3800.00 | 8719.50 | 8645.29 | 8585.27 |
| STANDARD DEVIATION | 2545.44 | 2491.92 | 2777.76 | 2742.79 | 0.00 | 1963.17 | 2000.19 | 2056.64 |
| MEDIAN | 4449.75 | 4500.00 | 8700.00 | 5200.00 | 3800.00 | 9899.50 | 9775.12 | 9800.00 |
| NUMBER | 19 | 6 | 9 | 34 | 1 | 20 | 35 | 56 |
| FAMILY INCOME GE 9999 | | | | | | | | |
| PERCENT | 10.53 | 0.00 | 33.33 | 14.71 | 0.00 | 50.00 | 42.86 | 44.64 |
| CHILDS ETHNICITY | | | | | | | | |
| PERCENT WHITE | 36.36 | 66.67 | 83.33 | 55.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PERCENT BLACK | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHILDS SEX | | | | | | | | |
| PERCENT FEMALE | 50.00 | 100.00 | 50.00 | 57.50 | 0.00 | 52.36 | 55.26 | 53.33 |
| ENTRY AGE IN MONTHS | | | | | | | | |
| MEAN | 68.13 | 66.15 | 68.25 | 67.87 | 69.17 | 66.55 | 65.47 | 65.91 |
| STANDARD DEVIATION | 4.25 | 3.90 | 2.95 | 3.83 | 0.00 | 3.97 | 3.96 | 3.95 |
| PRIMARY LANGUAGE | | | | | | | | |
| PERCENT ENGLISH | 90.91 | 100.00 | 91.67 | 92.50 | 100.00 | 100.00 | 100.00 | 100.00 |
| MOTHERS EDUCATION IN YEARS | | | | | | | | |
| MEAN | 12.08 | 14.32 | 12.65 | 12.63 | 13.00 | 13.90 | 13.20 | 13.44 |
| STANDARD DEVIATION | 1.81 | 2.44 | 2.37 | 2.18 | 0.00 | 1.38 | 1.46 | 1.45 |
| NUMBER | 19 | 6 | 9 | 34 | 1 | 20 | 35 | 56 |
| PERCENT HS GRAD | 47.37 | 83.33 | 66.67 | 58.82 | 100.00 | 95.00 | 91.43 | 92.86 |
| FEMALE HEADED HOUSEHOLD | | | | | | | | |
| PERCENT | 26.32 | 50.00 | 0.00 | 23.53 | 100.00 | 0.00 | 2.86 | 3.57 |
| NUMBER | 19 | 6 | 9 | 34 | 1 | 20 | 35 | 56 |
| PRESCHOOL EXPERIENCE | | | | | | | | |
| PERCENT HEADSTART | 100.00 | 0.00 | 0.00 | 55.00 | 100.00 | 0.00 | 0.00 | 1.67 |
| PERCENT SOME PRESCHOOL | 0.00 | 100.00 | 0.00 | 15.00 | 0.00 | 100.00 | 0.00 | 35.00 |
| PERCENT NO PRESCHOOL | 0.00 | 0.00 | 100.00 | 30.00 | 0.00 | 0.00 | 100.00 | 63.33 |

Table C17-IIIK(PS)-29

## MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
## FOR FT AND NFT CHILDREN
## IN COHORT III-K PRESCHOOL SAMPLE
## FOR NSA MODEL

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 38 | 13 | 27 | 78 | 17 | 27 | 73 | 117 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 24.68 | 32.54 | 31.48 | 28.35 | 27.41 | 40.81 | 38.30 | 37.30 |
| STANDARD DEVIATION | 12.17 | 10.18 | 11.18 | 11.94 | 11.78 | 6.11 | 7.92 | 9.18 |
| SPELLING | | | | | | | | |
| MEAN | 18.58 | 25.15 | 20.22 | 20.24 | 19.94 | 28.85 | 29.85 | 28.18 |
| STANDARD DEVIATION | 11.64 | 7.17 | 9.37 | 10.40 | 11.63 | 6.94 | 7.43 | 8.69 |
| LANGUAGE | | | | | | | | |
| MEAN | 16.13 | 22.85 | 21.89 | 19.24 | 19.71 | 30.37 | 28.34 | 27.56 |
| STANDARD DEVIATION | 7.39 | 10.95 | 9.41 | 9.18 | 8.04 | 10.09 | 9.60 | 10.01 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 19.71 | 19.08 | 20.37 | 19.83 | 20.35 | 25.81 | 25.18 | 24.62 |
| STANDARD DEVIATION | 7.62 | 6.55 | 7.18 | 7.23 | 4.05 | 5.51 | 5.68 | 5.68 |
| RAVENS | | | | | | | | |
| MEAN | 20.53 | 23.08 | 21.00 | 21.12 | 20.35 | 23.07 | 22.18 | 22.12 |
| STANDARD DEVIATION | 3.67 | 4.39 | 4.91 | 4.29 | 3.74 | 3.21 | 3.72 | 3.67 |
| READING | | | | | | | | |
| MEAN | 18.37 | 25.85 | 23.85 | 21.51 | 21.18 | 30.07 | 29.97 | 28.72 |
| STANDARD DEVIATION | 9.01 | 8.32 | 9.11 | 9.37 | 8.26 | 6.24 | 7.37 | 7.85 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 17.24 | 19.23 | 20.11 | 18.56 | 19.94 | 27.85 | 26.95 | 26.14 |
| STANDARD DEVIATION | 7.08 | 7.33 | 7.29 | 7.23 | 6.91 | 6.17 | 6.55 | 6.96 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 14.82 | 16.15 | 17.81 | 16.08 | 15.24 | 22.48 | 22.03 | 21.15 |
| STANDARD DEVIATION | 6.84 | 8.91 | 8.32 | 7.75 | 6.73 | 5.73 | 6.78 | 6.94 |
| COOPERSMITH | | | | | | | | |
| MEAN | 37.32 | 35.08 | 37.44 | 36.99 | 36.71 | 40.11 | 39.01 | 38.93 |
| STANDARD DEVIATION | 6.96 | 6.30 | 8.80 | 7.50 | 7.07 | 8.18 | 7.74 | 7.75 |
| IARS(-) | | | | | | | | |
| MEAN | 9.00 | 9.46 | 10.74 | 9.68 | 9.76 | 11.04 | 11.52 | 11.15 |
| STANDARD DEVIATION | 2.99 | 3.02 | 3.03 | 3.07 | 2.95 | 2.68 | 2.54 | 2.68 |
| IARS(+) | | | | | | | | |
| MEAN | 12.03 | 12.38 | 14.00 | 12.77 | 13.18 | 14.59 | 14.00 | 14.02 |
| STANDARD DEVIATION | 2.33 | 2.02 | 1.82 | 2.28 | 2.56 | 1.28 | 2.09 | 2.04 |
| TOTAL READING | | | | | | | | |
| MEAN | 43.05 | 58.38 | 55.33 | 49.86 | 48.59 | 70.89 | 68.27 | 66.02 |
| STANDARD DEVIATION | 20.39 | 17.95 | 19.40 | 20.56 | 19.07 | 11.01 | 14.32 | 16.05 |
| TOTAL MATH | | | | | | | | |
| MEAN | 51.76 | 54.46 | 58.30 | 54.47 | 55.53 | 76.15 | 74.15 | 71.91 |
| STANDARD DEVIATION | 19.05 | 21.77 | 21.48 | 20.32 | 16.39 | 15.67 | 17.20 | 17.95 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.29 | 10.08 | 8.93 | 8.32 | 9.18 | 11.04 | 10.93 | 10.70 |
| STANDARD DEVIATION | 3.19 | 2.69 | 2.85 | 3.15 | 2.13 | 2.10 | 2.50 | 2.43 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 8.84 | 12.77 | 12.96 | 10.92 | 10.53 | 19.33 | 17.41 | 16.85 |
| STANDARD DEVIATION | 5.59 | 8.91 | 7.56 | 7.13 | 6.65 | 8.90 | 8.21 | 8.55 |

## Table C17-IIIK(PS)-30

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR NSA MODEL IN GREAT FALLS, MT

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 16 | 7 | 15 | 38 | 16 | 6 | 35 | 57 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 25.25 | 31.43 | 32.67 | 29.32 | 26.06 | 40.83 | 36.77 | 34.19 |
| STANDARD DEVIATION | 12.38 | 11.18 | 10.92 | 11.83 | 10.72 | 6.91 | 7.24 | 9.73 |
| SPELLING | | | | | | | | |
| MEAN | 19.12 | 25.57 | 23.00 | 21.84 | 18.87 | 28.50 | 29.00 | 26.11 |
| STANDARD DEVIATION | 12.48 | 8.83 | 8.14 | 10.35 | 11.12 | 7.77 | 6.53 | 9.23 |
| LANGUAGE | | | | | | | | |
| MEAN | 13.31 | 21.29 | 21.40 | 17.97 | 18.62 | 26.67 | 25.86 | 23.91 |
| STANDARD DEVIATION | 7.85 | 11.93 | 9.52 | 9.93 | 6.92 | 11.27 | 9.59 | 9.55 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 17.69 | 17.86 | 20.27 | 18.74 | 19.81 | 24.33 | 24.06 | 22.89 |
| STANDARD DEVIATION | 7.63 | 8.23 | 6.98 | 7.39 | 3.49 | 7.26 | 5.84 | 5.69 |
| RAVENS | | | | | | | | |
| MEAN | 20.00 | 21.29 | 20.20 | 20.32 | 20.19 | 23.67 | 21.94 | 21.63 |
| STANDARD DEVIATION | 3.48 | 5.19 | 5.57 | 4.61 | 3.80 | 3.56 | 3.63 | 3.75 |
| READING | | | | | | | | |
| MEAN | 18.50 | 24.86 | 23.47 | 21.63 | 20.19 | 31.50 | 28.97 | 26.77 |
| STANDARD DEVIATION | 9.22 | 8.61 | 9.98 | 9.58 | 7.42 | 9.81 | 7.71 | 8.79 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 15.94 | 19.00 | 18.67 | 17.58 | 18.87 | 26.17 | 26.17 | 24.12 |
| STANDARD DEVIATION | 7.46 | 7.37 | 7.73 | 7.49 | 5.50 | 10.63 | 6.99 | 7.67 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 13.44 | 15.57 | 17.20 | 15.32 | 14.31 | 20.50 | 19.97 | 18.44 |
| STANDARD DEVIATION | 7.25 | 8.89 | 9.01 | 8.23 | 5.74 | 9.40 | 6.69 | 7.12 |
| COOPERSMITH | | | | | | | | |
| MEAN | 36.62 | 35.00 | 39.07 | 37.29 | 36.44 | 41.67 | 38.11 | 38.02 |
| STANDARD DEVIATION | 7.52 | 3.37 | 7.94 | 7.15 | 7.21 | 8.12 | 7.74 | 7.64 |
| IARS(-) | | | | | | | | |
| MEAN | 10.12 | 8.29 | 10.67 | 10.00 | 9.75 | 13.00 | 11.46 | 11.14 |
| STANDARD DEVIATION | 2.09 | 2.98 | 2.50 | 2.51 | 3.04 | 1.41 | 1.88 | 2.41 |
| IARS(+) | | | | | | | | |
| MEAN | 12.25 | 12.14 | 14.47 | 13.11 | 13.06 | 14.17 | 13.80 | 13.63 |
| STANDARD DEVIATION | 2.29 | 2.19 | 1.46 | 2.23 | 2.59 | 1.60 | 2.27 | 2.30 |
| TOTAL READING | | | | | | | | |
| MEAN | 43.75 | 56.29 | 56.13 | 50.95 | 46.25 | 72.33 | 65.74 | 60.96 |
| STANDARD DEVIATION | 20.98 | 19.03 | 19.97 | 20.66 | 16.99 | 15.29 | 13.91 | 17.48 |
| TOTAL MATH | | | | | | | | |
| MEAN | 47.06 | 52.43 | 56.13 | 51.63 | 53.00 | 71.00 | 70.20 | 65.46 |
| STANDARD DEVIATION | 20.08 | 23.79 | 22.49 | 21.54 | 13.05 | 25.95 | 17.98 | 19.07 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 6.44 | 9.86 | 8.60 | 7.92 | 9.06 | 10.50 | 10.31 | 9.98 |
| STANDARD DEVIATION | 3.81 | 2.19 | 2.77 | 3.38 | 2.14 | 2.59 | 2.68 | 2.55 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 6.88 | 11.43 | 12.80 | 10.05 | 9.56 | 16.17 | 15.54 | 13.93 |
| STANDARD DEVIATION | 5.07 | 10.41 | 7.54 | 7.57 | 5.50 | 9.87 | 8.22 | 8.09 |

## Table C17-IIIK(PS)-30 (cont.)

### MEANS AND STANDARD DEVIATIONS OF THE OUTCOME MEASURES
### FOR FT AND NFT CHILDREN
### IN COHORT III-K PRESCHOOL SAMPLE
### FOR NSA MODEL IN CLEAR LAKE, WA

| | FOLLOW THROUGH | | | | NON-FOLLOW THROUGH | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL | HEAD START | SOME PRESCHOOL | NO PRESCHOOL | TOTAL |
| NUMBER OF CHILDREN | 22 | 6 | 12 | 40 | 1 | 21 | 38 | 60 |
| WORD KNOWLEDGE | | | | | | | | |
| MEAN | 24.27 | 33.83 | 30.00 | 27.42 | 49.00 | 40.81 | 39.71 | 40.25 |
| STANDARD DEVIATION | 12.29 | 9.75 | 11.81 | 12.12 | 0.00 | 6.05 | 8.35 | 7.60 |
| SPELLING | | | | | | | | |
| MEAN | 18.18 | 24.67 | 16.75 | 18.73 | 37.00 | 28.95 | 30.63 | 30.15 |
| STANDARD DEVIATION | 11.27 | 5.43 | 9.97 | 10.35 | 0.00 | 6.90 | 8.18 | 7.71 |
| LANGUAGE | | | | | | | | |
| MEAN | 18.18 | 24.67 | 22.50 | 20.45 | 37.00 | 31.43 | 30.63 | 31.02 |
| STANDARD DEVIATION | 6.46 | 10.46 | 9.65 | 8.35 | 0.00 | 9.76 | 9.13 | 9.24 |
| MATH COMPUTATIONS | | | | | | | | |
| MEAN | 21.18 | 20.50 | 20.50 | 20.87 | 29.00 | 26.24 | 26.21 | 26.27 |
| STANDARD DEVIATION | 7.44 | 4.14 | 7.73 | 7.00 | 0.00 | 5.05 | 5.41 | 5.21 |
| RAVENS | | | | | | | | |
| MEAN | 20.91 | 25.17 | 22.00 | 21.88 | 23.00 | 22.90 | 22.39 | 22.58 |
| STANDARD DEVIATION | 3.84 | 2.04 | 3.93 | 3.88 | 0.00 | 3.18 | 3.84 | 3.57 |
| READING | | | | | | | | |
| MEAN | 18.27 | 27.00 | 24.33 | 21.40 | 37.00 | 29.67 | 30.89 | 30.57 |
| STANDARD DEVIATION | 9.08 | 8.60 | 8.30 | 9.29 | 0.00 | 5.08 | 7.00 | 6.37 |
| MATH CONCEPTS | | | | | | | | |
| MEAN | 18.18 | 19.50 | 21.92 | 19.50 | 37.00 | 28.33 | 27.66 | 28.05 |
| STANDARD DEVIATION | 6.81 | 7.97 | 6.57 | 6.94 | 0.00 | 4.49 | 6.13 | 5.64 |
| MATH PROBLEM SOLVING | | | | | | | | |
| MEAN | 15.82 | 16.83 | 18.58 | 16.80 | 30.00 | 23.05 | 23.92 | 23.72 |
| STANDARD DEVIATION | 6.51 | 9.72 | 7.69 | 7.29 | 0.00 | 4.36 | 6.38 | 5.73 |
| COOPERSMITH | | | | | | | | |
| MEAN | 37.82 | 35.17 | 35.42 | 36.70 | 41.00 | 39.67 | 39.84 | 39.80 |
| STANDARD DEVIATION | 6.65 | 9.04 | 9.73 | 7.91 | 0.00 | 8.34 | 7.74 | 7.82 |
| IARS(-) | | | | | | | | |
| MEAN | 8.18 | 10.83 | 10.83 | 9.38 | 10.00 | 10.48 | 11.58 | 11.17 |
| STANDARD DEVIATION | 3.30 | 2.64 | 3.71 | 3.53 | 0.00 | 2.71 | 3.05 | 2.94 |
| IARS(+) | | | | | | | | |
| MEAN | 11.86 | 12.67 | 13.42 | 12.45 | 15.00 | 14.71 | 14.18 | 14.38 |
| STANDARD DEVIATION | 2.40 | 1.97 | 2.11 | 2.31 | 0.00 | 1.19 | 1.92 | 1.69 |
| TOTAL READING | | | | | | | | |
| MEAN | 42.55 | 60.83 | 54.33 | 48.83 | 86.00 | 70.48 | 70.61 | 70.82 |
| STANDARD DEVIATION | 20.43 | 18.03 | 19.49 | 20.67 | 0.00 | 9.91 | 14.47 | 12.98 |
| TOTAL MATH | | | | | | | | |
| MEAN | 55.18 | 56.83 | 61.00 | 57.17 | 96.00 | 77.62 | 77.79 | 78.03 |
| STANDARD DEVIATION | 17.95 | 21.12 | 20.79 | 18.96 | 0.00 | 11.85 | 15.82 | 14.50 |
| LANGUAGE PART A | | | | | | | | |
| MEAN | 7.91 | 10.33 | 9.33 | 8.70 | 11.00 | 11.19 | 11.50 | 11.38 |
| STANDARD DEVIATION | 2.56 | 3.39 | 3.03 | 2.91 | 0.00 | 1.99 | 2.21 | 2.11 |
| LANGUAGE PART B | | | | | | | | |
| MEAN | 10.27 | 14.33 | 13.17 | 11.75 | 26.00 | 20.24 | 19.13 | 19.63 |
| STANDARD DEVIATION | 5.62 | 7.42 | 7.92 | 6.68 | 0.00 | 8.64 | 7.91 | 8.10 |

# APPENDIX TABLES
# for
# VOLUME IV-B

## CHAPTER EIGHTEEN
## MATHEMAGENIC ACTIVITIES PROGRAM

### Table C18-IIIEF-1

### ETHNIC DISTRIBUTION OF CHILDREN FOR THE COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL

| | | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| AMERICAN INDIAN | Percent | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BLACK | Percent | 57.7 | 28.2 | 14.9 | 11.8 | 0.0 | 14.9 | 1.1 | 0.0 | 0.0 |
| | Number | 56 | 20 | 10 | 8 | 0 | 10 | 2 | 0 | 0 |
| ORIENTAL | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MEXICAN AMERICAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PUERTO RICAN | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OTHER SPANISH SURNAME | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WHITE | Percent | 40.2 | 71.8 | 85.1 | 88.2 | 100.0 | 85.1 | 98.9 | 100.0 | 100.0 |
| | Number | 39 | 51 | 57 | 60 | 21 | 57 | 176 | 78 | 71 |
| OTHER | Percent | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BEST MATCHED SITE | | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

Table C18-IIIEF-2

DISTRIBUTION OF BACKGROUND VARIABLES
COHORT III ENTERING FIRST SITES
IN THE MATHEMAGENIC MODEL

| | SPONSOR'S SITES | | | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| CHILDREN IN ANALYTIC SAMPLE<br>Number | — | — | — | 97 | 71 | 67 | 68 | 21 | 67 | 178 | 78 | 71 |
| FALL KINDERGARTEN WRAT<br>Mean Score | 47.7 | 50.5 | — | 46.9 | 49.6 | 45.4 | 48.1 | 54.9 | 45.4 | 48.0 | 47.1 | 44.3 |
| PERCENT WITH PRESCHOOL | 82 | 69 | — | 79 | 52 | 60 | 84 | 81 | 60 | 84 | 73 | 97 |
| Number Responding | — | — | — | 96 | 71 | 67 | 68 | 21 | 67 | 177 | 78 | 71 |
| CHILDREN'S ETHNICITY | | | | | | | | | | | | |
| Percent Black | 24 | 9 | — | 58 | 28 | 15 | 12 | 0 | 15 | 1 | 0 | 0 |
| Percent White | 76 | 91 | — | 40 | 72 | 85 | 88 | 100 | 85 | 99 | 100 | 100 |
| Percent Other | 1 | 0 | — | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MEDIAN FAMILY INCOME | 4720 | 6917 | — | 5134 | 7799 | 6850 | 5140 | 9734 | 6850 | 3885 | 3217 | 5083 |
| Number Responding | — | — | — | 45 | 46 | 60 | 64 | 21 | 60 | 77 | 67 | 65 |
| MOTHER'S EDUCATION | | | | | | | | | | | | |
| Percent H.S. Graduates | 44 | 48 | — | 47 | 71 | 42 | 42 | 43 | 42 | 43 | 31 | 27 |
| Number Responding | — | — | — | 43 | 48 | 60 | 65 | 21 | 60 | 79 | 67 | 59 |
| FEMALE HEADS OF HOUSEHOLD<br>Percent | 11 | 7 | — | 17 | 8 | 10 | 6 | 5 | 10 | 10 | 9 | 3 |
| BEST MATCHED SITE | | | | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

Table C18-IIIEF-3

TEACHER BACKGROUND CHARACTERISTICS
FOR COHORT III-K SITES
IN MATHEMAGENIC MODEL

| | Gulfport, MS | | Pickens Co.,GA | | Lee Co., VA | |
|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | FT | NFT |
| YEARS OF ELEMENTARY TEACHING EXPERIENCE | | | | | | |
| Mean | 12.25 | 9.20 | 5.66 | 5.00 | 8.27 | 23.75 |
| Standard Deviation | 9.60 | 8.22 | 6.74 | 0 | 10.19 | 4.64 |
| N | 8 | 5 | 6 | 1 | 11 | 4 |
| YEARS IN SCHOOL | | | | | | |
| Mean | 6.12 | 6.10 | 2.66 | 3.00 | 5.63 | 11.75 |
| Standard Deviation | 7.45 | 5.66 | 1.86 | 0 | 8.16 | 6.60 |
| N | 8 | 5 | 6 | 1 | 11 | 4 |
| YEARS IN MODEL | | | | | | |
| Mean | 3.50 | 3.00 | 1.83 | .50 | 2.09 | .50 |
| Standard Deviation | 1.69 | 0 | 1.32 | 0 | .83 | 0 |
| N | 8 | 1 | 6 | 1 | 11 | 1 |
| TEACHER'S EDUCATION | | | | | | |
| % Less than B.A. | 0 | 0 | 0 | 0 | 0 | 0 |
| % with B.A. | 75 | 40.0 | 33.3 | 0 | 63.6 | 50 |
| % Some Graduate | 25 | 60.0 | 50.0 | 100 | 18.2 | 50 |
| % M.A. or More | 0 | 0 | 16.7 | 0 | 18.2 | 0 |
| N | 8 | 5 | 6 | 1 | 11 | 4 |
| TEACHER'S CERTIFICATION | | | | | | |
| % None | 0 | 0 | 0 | 0 | 0 | 0 |
| % Temporary | 0 | 0 | 0 | 0 | 0 | 0 |
| % Renewable/Permanent | 100 | 100 | 100 | 100 | 100 | 100 |
| N | 8 | 6 | 5 | 1 | 11 | 3 |
| TEACHER'S ETHNICITY | | | | | | |
| % White | 57.1 | 83.3 | 100 | 100 | 100 | 100 |
| % Black | 42.9 | 16.7 | 0 | 0 | 0 | 0 |
| % Spanish Surname | 0 | 0 | 0 | 0 | 0 | 0 |
| % Other | 0 | 0 | 0 | 0 | 0 | 0 |
| N | 7 | 6 | 6 | 1 | 11 | 4 |
| AGE IN YEARS | | | | | | |
| Mean | 37.14 | 36.0 | 30.0 | 27.0 | 34.36 | 53.25 |
| Standard Deviation | 13.09 | 11.95 | 9.79 | 0 | 14.61 | 9.53 |
| N | 7 | 6 | 6 | 1 | 11 | 4 |

### Table C18-IIIEF-4

### STANDARDIZED SCORES ON TEACHER CLUSTERS (SPRING 1974) FOR THE COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL

| | SPONSOR'S SITES | | | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TEACHER CENTERED | 49.9 | 51.2 | — | 48.7 | 56.3 | 52.2 | 50.2 | 47.8 | 52.2 | 50.7 | 49.6 | 48.3 |
| Number | 3 | 3 | — | 8 | 7 | 6 | 6 | 1 | 6 | 11 | 4 | 7 |
| Local Mean Difference | — | — | — | -7.5 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -3.5 | — | — | — | — | — | — | — | — |
| FLEXIBLE CLASSROOM | 51.8 | 47.2 | — | 51.1 | 50.5 | 49.9 | 53.6 | 56.7 | 49.9 | 50.6 | 34.3 | 48.2 |
| Number | 3 | 3 | — | 8 | 6 | 6 | 6 | 1 | 6 | 11 | 4 | 7 |
| Local Mean Difference | 4.6 | — | — | — | — | — | -3.1 | — | — | 16.3 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 3.7 | — | — | — | — | — |
| INDIVIDUALIZATION | 55.3 | 41.1 | — | 55.3 | 44.7 | 50.9 | 50.9 | 42.1 | 50.9 | 59.8 | 36.5 | 47.4 |
| Number | 3 | 3 | — | 8 | 7 | 6 | 6 | 1 | 6 | 11 | 4 | 8 |
| Local Mean Difference | 14.3 | — | — | 10.6 | — | — | 8.9 | — | — | 23.3 | — | — |
| Best Match Mean Difference | — | — | — | 4.4 | — | — | — | — | — | 12.4 | — | — |
| ACADEMIC (VS. EMOTIONAL) EMPHASIS | 53.5 | 48.1 | — | 54.5 | 61.1 | 56.3 | 53.9 | 38.0 | 56.3 | 52.0 | 45.3 | 45.3 |
| Number | 3 | 3 | — | 8 | 7 | 6 | 6 | 1 | 6 | 11 | 4 | 6 |
| Local Mean Difference | 5.4 | — | — | -6.6 | — | — | 15.9 | — | — | 6.7 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | 6.7 | — | — |
| SATISFACTION WITH SPONSOR | 53.9 | 43.7 | — | 53.9 | 45.2 | 42.7 | 53.4 | 35.0 | 42.7 | 54.5 | 51.1 | 51.7 |
| Number | 3 | 3 | — | 8 | 5 | 6 | 6 | 1 | 6 | 11 | 2 | 5 |
| Local Mean Difference | 10.2 | — | — | 8.7 | — | — | 18.4 | — | — | 3.5 | — | — |
| Best Match Mean Difference | — | — | — | 11.2 | — | — | 10.7 | — | — | 2.9 | — | — |
| BEST MATCHED SITE | | | | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

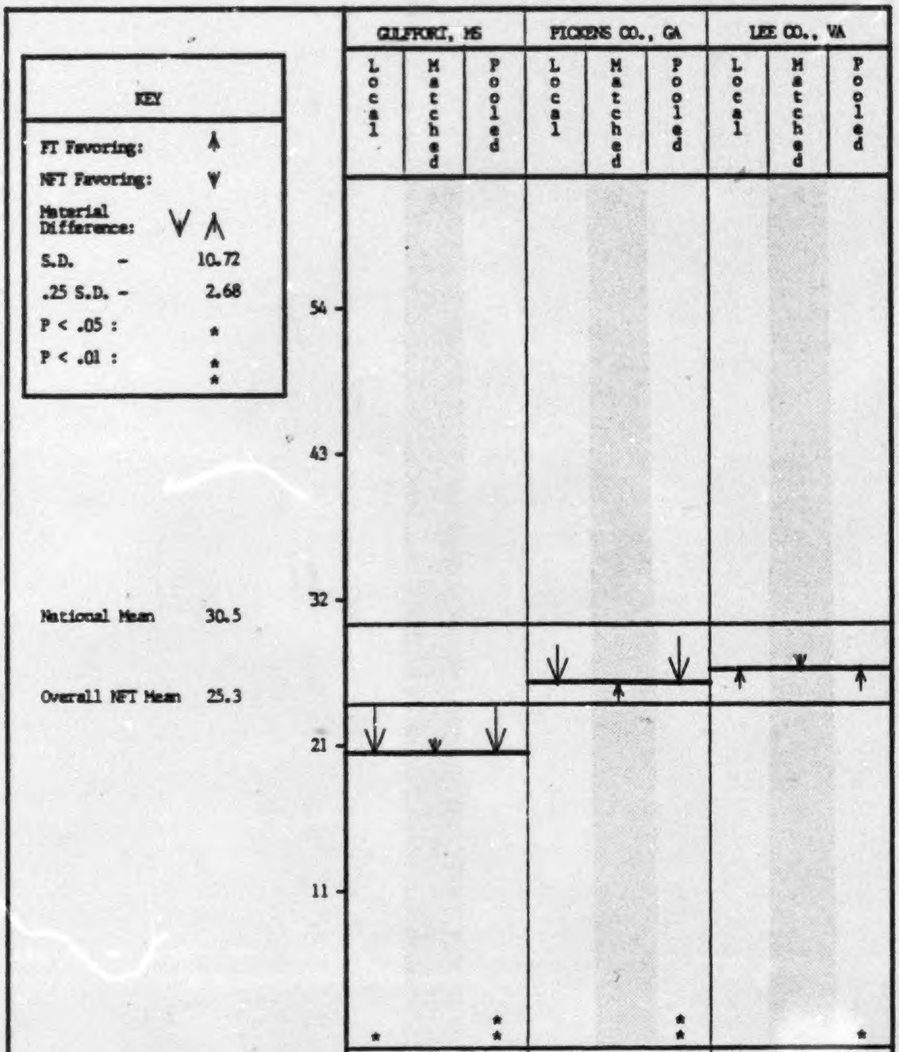
Table C18-IIIEF-5

## STANDARDIZED SCORES ON PARENT FACTORS (SPRING 1974) FOR THE COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL

| | SPONSOR'S SITES | | | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match | FT | NFT Local | NFT Best Match |
| TALKS WITH TEACHER | 47.6 | 46.2 | — | 49.2 | 49.5 | 50.4 | 46.7 | 44.9 | 50.4 | 47.0 | 44.0 | 48.8 |
| Number | 3 | 3 | — | 30 | 26 | 31 | 46 | 42 | 31 | 30 | 39 | 32 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | 2.9 | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -3.7 | — | — | — | — | — |
| SCHOOL HELPED CHILD | 48.1 | 47.7 | — | 45.8 | 47.6 | 50.0 | 48.3 | 45.0 | 50.0 | 50.0 | 50.6 | 49.1 |
| Number | 3 | 3 | — | 30 | 26 | 31 | 46 | 12 | 31 | 30 | 39 | 32 |
| Local Mean Difference | — | — | — | — | — | — | 3.3 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -4.2 | — | — | — | — | — | — | — | — |
| FAC INVOLVEMENT | 51.0 | 45.7 | — | 50.2 | 44.9 | 48.8 | 55.0 | 45.5 | 48.8 | 47.9 | 46.5 | 44.9 |
| Number | 3 | 3 | — | 27 | 21 | 30 | 43 | 9 | 30 | 29 | 31 | 31 |
| Local Mean Difference | 5.4 | — | — | 5.3 | — | — | 9.5 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 6.2 | — | — | 3.0 | — | — |
| CHILD READS AT HOME | 49.0 | 48.5 | — | 46.6 | 47.2 | 52.7 | 50.0 | 50.0 | 52.7 | 50.3 | 48.3 | 48.6 |
| Number | 3 | 3 | — | 30 | 26 | 31 | 46 | 12 | 31 | 30 | 39 | 32 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | -6.1 | — | — | -2.7 | — | — | — | — | — |
| CHILD'S PROG IN SCHOOL | 50.4 | 52.7 | — | 49.3 | 54.3 | 47.6 | 50.6 | 53.0 | 47.6 | 51.2 | 50.9 | 49.0 |
| Number | 3 | 3 | — | 30 | 26 | 31 | 46 | 12 | 31 | 30 | 39 | 32 |
| Local Mean Difference | — | — | — | -5.0 | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | 3.0 | — | — | — | — | — |
| CHILD READ TO AT HOME | 49.6 | 48.7 | — | 50.8 | 50.0 | 50.6 | 52.9 | 48.9 | 50.6 | 45.2 | 47.3 | 51.0 |
| Number | 3 | 3 | — | 30 | 26 | 31 | 46 | 12 | 31 | 30 | 39 | 32 |
| Local Mean Difference | — | — | — | — | — | — | 4.0 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | -5.9 | — | — |
| PARENT VISITS TO SCHOOL | 49.9 | 49.2 | — | 50.6 | 49.6 | 50.2 | 51.7 | 50.4 | 50.2 | 47.3 | 47.6 | 56.2 |
| Number | 3 | 3 | — | 30 | 26 | 31 | 46 | 12 | 31 | 30 | 39 | 32 |
| Local Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | -8.9 | — | — |
| CHILD'S EMOT ADJUST | 46.7 | 47.7 | — | 46.3 | 48.5 | 49.4 | 48.7 | 45.2 | 49.4 | 45.1 | 49.5 | 47.5 |
| Number | 3 | 3 | — | 30 | 26 | 31 | 46 | 12 | 31 | 30 | 39 | 32 |
| Local Mean Difference | — | — | — | — | — | — | 3.5 | — | — | -4.4 | — | — |
| Best Match Mean Difference | — | — | — | -3.1 | — | — | — | — | — | — | — | — |
| SCH HELPED WITH CHILD | 48.6 | 45.5 | — | 50.0 | 46.6 | 49.5 | 48.4 | 40.8 | 49.5 | 47.4 | 49.1 | 45.8 |
| Number | 3 | 3 | — | 30 | 26 | 31 | 46 | 12 | 31 | 30 | 39 | 32 |
| Local Mean Difference | 3.1 | — | — | 3.4 | — | — | 7.7 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | — | — | — |
| SCHOOL'S RECEPTIVITY | 50.2 | 49.8 | — | 48.7 | 51.6 | 50.3 | 51.7 | 48.9 | 50.3 | 50.1 | 48.9 | 44.5 |
| Number | 3 | 3 | — | 30 | 26 | 31 | 46 | 12 | 31 | 30 | 39 | 32 |
| Local Mean Difference | — | — | — | -2.9 | — | — | 2.8 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | — | — | — | 5.6 | — | — |
| PARENT LOCUS | 49.2 | 48.0 | — | 52.0 | 46.1 | 43.8 | 47.8 | 47.0 | 43.8 | 47.9 | 51.0 | 51.5 |
| Number | 3 | 3 | — | 30 | 26 | 31 | 46 | 12 | 31 | 30 | 39 | 32 |
| Local Mean Difference | — | — | — | 5.9 | — | — | — | — | — | -3.1 | — | — |
| Best Match Mean Difference | — | — | — | 8.2 | — | — | 4.0 | — | — | -3.6 | — | — |
| SCH HELPED PERSONALLY | 49.4 | 46.9 | — | 50.6 | 47.9 | 47.1 | 48.4 | 45.2 | 47.1 | 49.2 | 47.8 | 47.4 |
| Number | 3 | 3 | — | 30 | 26 | 31 | 46 | 12 | 31 | 30 | 39 | 32 |
| Local Mean Difference | — | — | — | 2.7 | — | — | 3.2 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | 3.5 | — | — | — | — | — | — | — | — |
| PARENT-CHILD INTERACTION | 49.5 | 47.4 | — | 50.5 | 47.9 | 52.5 | 49.7 | 46.2 | 52.5 | 48.3 | 48.0 | 47.6 |
| Number | 3 | 3 | — | 30 | 26 | 31 | 46 | 12 | 31 | 30 | 39 | 32 |
| Local Mean Difference | — | — | — | 2.6 | — | — | 3.4 | — | — | — | — | — |
| Best Match Mean Difference | — | — | — | — | — | — | -2.9 | — | — | — | — | — |
| BEST MATCHED SITE | | | | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C18-IIIEF-7

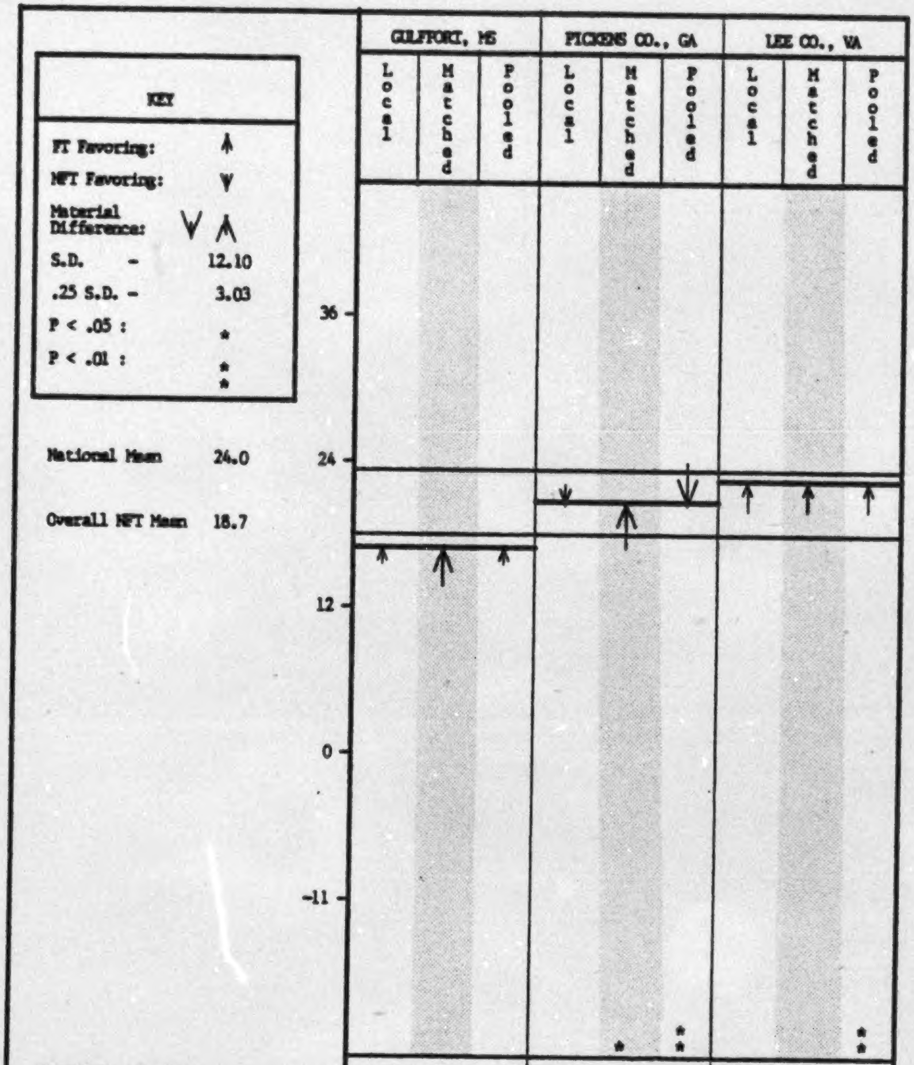
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT WORD KNOWLEDGE FOR COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL



| | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -3.67 | -0.43 | -3.32 | -2.84 | 1.26 | -3.39 | 1.32 | -0.48 | 1.68 |
| Standard Error | 1.77 | 2.28 | 0.89 | 2.73 | 1.80 | 0.99 | 1.55 | 1.97 | 0.69 |
| FT Mean | 21.21 | | | 26.26 | | | 27.32 | | |
| No. of FT Children | 97 | | | 68 | | | 178 | | |
| Matched NFT Site | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

Table C18-IIIEF-8

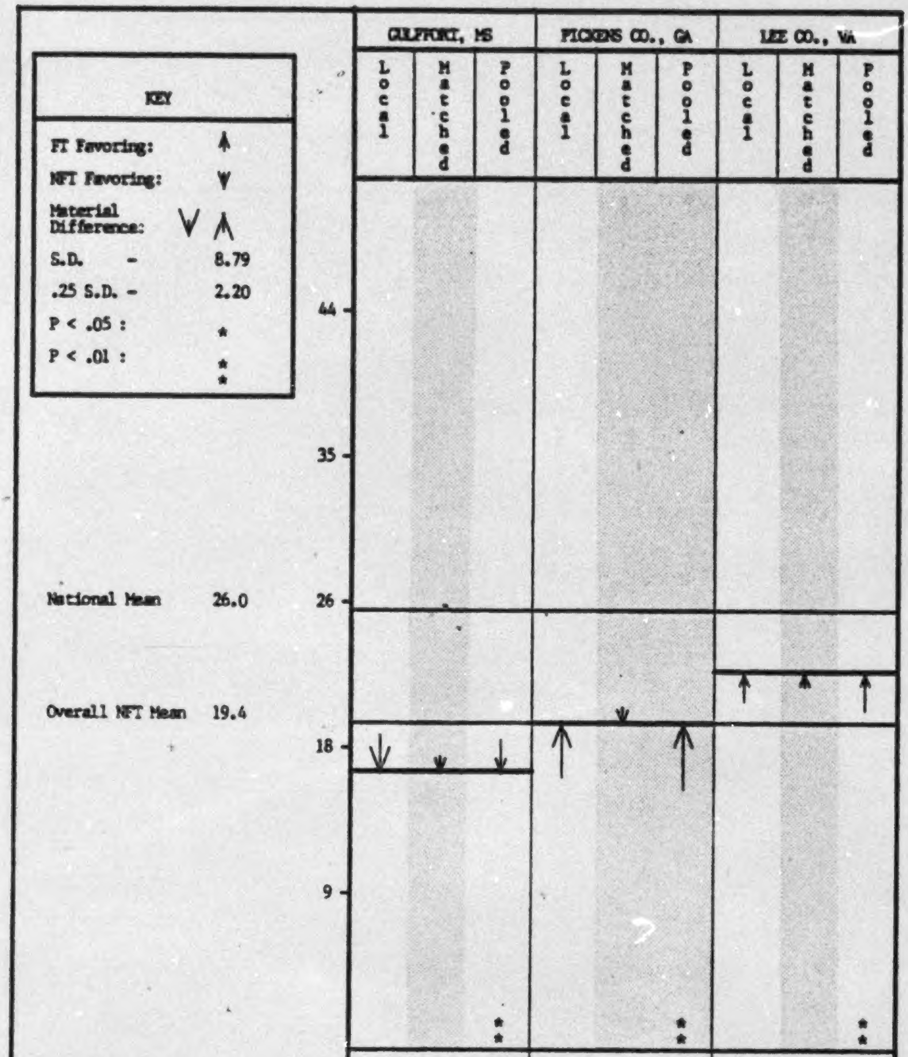
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT SPELLING FOR COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL



| | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 1.05 | 3.05 | 1.19 | -1.66 | 3.64 | -3.37 | 2.41 | 2.34 | 2.39 |
| Standard Error | 2.00 | 2.43 | 1.03 | 3.08 | 1.81 | 1.13 | 1.75 | 2.20 | 0.76 |
| FT Mean | 17.27 | | | 21.12 | | | 22.92 | | |
| No. of FT Children | 97 | | | 68 | | | 178 | | |
| Matched NFT Site | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C18-IIIEF-9

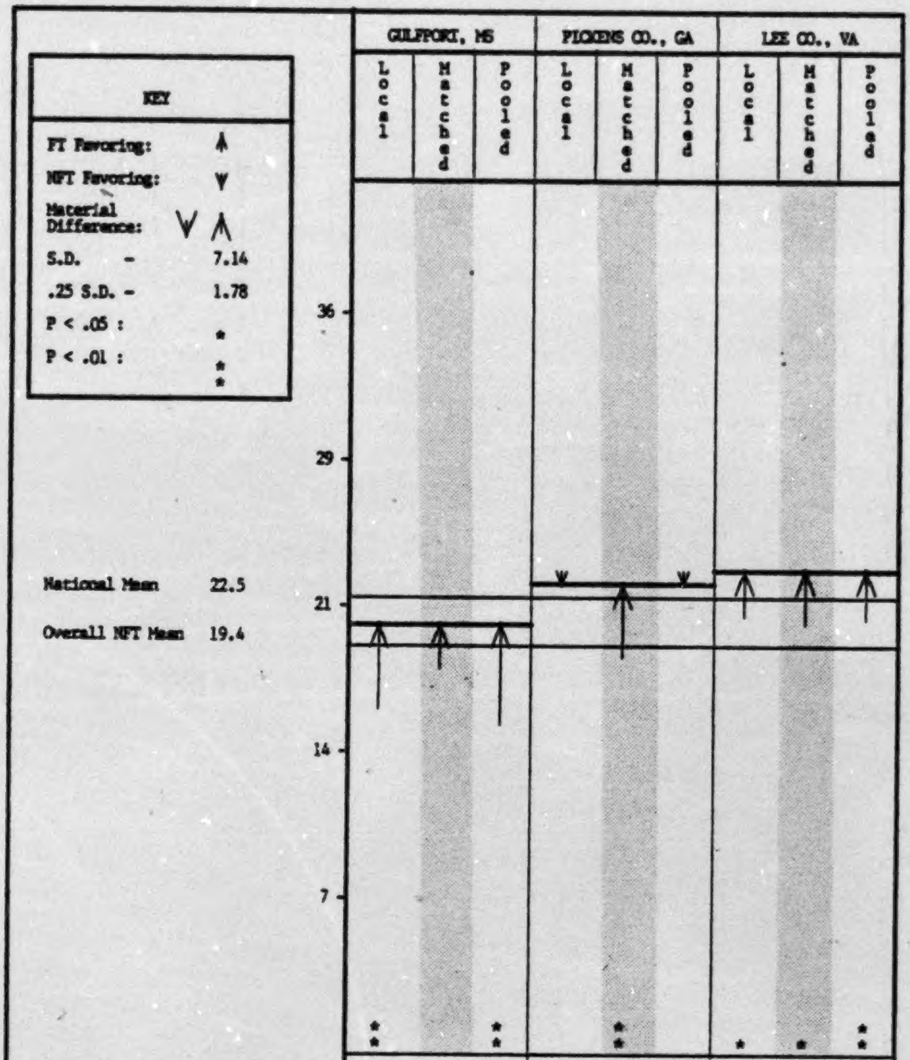
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE FOR COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL



| | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | | | ** | | | ** | | | ** |
| Magnitude of Effect | -2.25 | -0.24 | -1.84 | 3.33 | -0.60 | 3.97 | 1.70 | 0.85 | 2.19 |
| Standard Error | 1.55 | 1.74 | 0.66 | 2.39 | 1.56 | 0.97 | 1.36 | 1.77 | 0.63 |
| FT Mean | 16.42 | | | 19.37 | | | 22.37 | | |
| No. of FT Children | 97 | | | 68 | | | 178 | | |
| Matched NFT Site | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C18-IIIEF-10

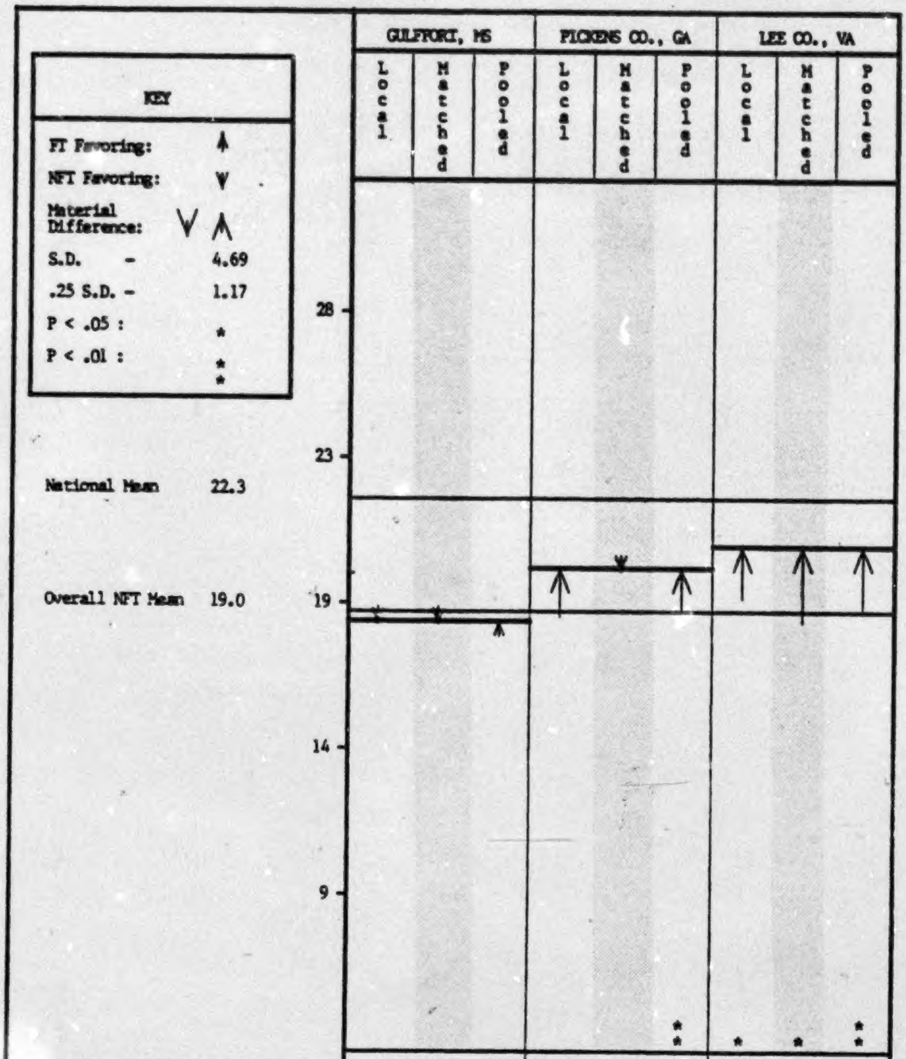
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS COMPUTATIONS FOR COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL



| | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| | ** | | ** | | ** | | * | * | ** |
| Magnitude of Effect | 4.21 | 2.19 | 4.94 | -0.30 | 3.58 | -0.23 | 2.23 | 2.68 | 2.38 |
| Standard Error | 1.30 | 1.55 | 0.66 | 2.00 | 1.31 | 0.88 | 1.14 | 1.35 | 0.49 |
| FT Mean | 20.75 | | | 22.63 | | | 23.35 | | |
| No. of FT Children | 97 | | | 68 | | | 178 | | |
| Matched NFT Site | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C18-IIIEF-11

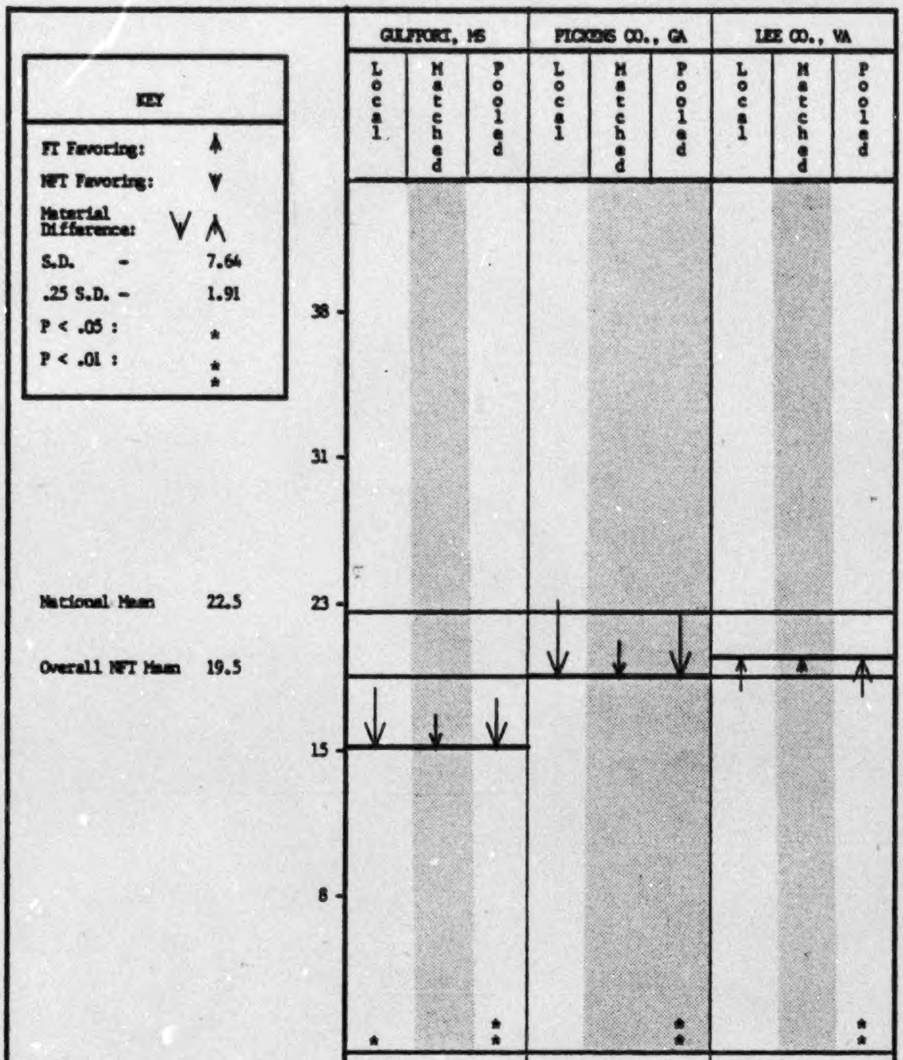
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE RAVEN'S PROGRESSIVE MATRICES FOR COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL



| | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.32 | -0.47 | 0.21 | 1.55 | -0.35 | 1.37 | 1.67 | 2.41 | 2.13 |
| Standard Error | 0.87 | 1.08 | 0.42 | 1.34 | 0.78 | 0.40 | 0.76 | 0.94 | 0.33 |
| FT Mean | 18.31 | | | 20.01 | | | 20.70 | | |
| No. of FT Children | 97 | | | 68 | | | 178 | | |
| Matched NFT Site | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

Table C18-IIIEF-12

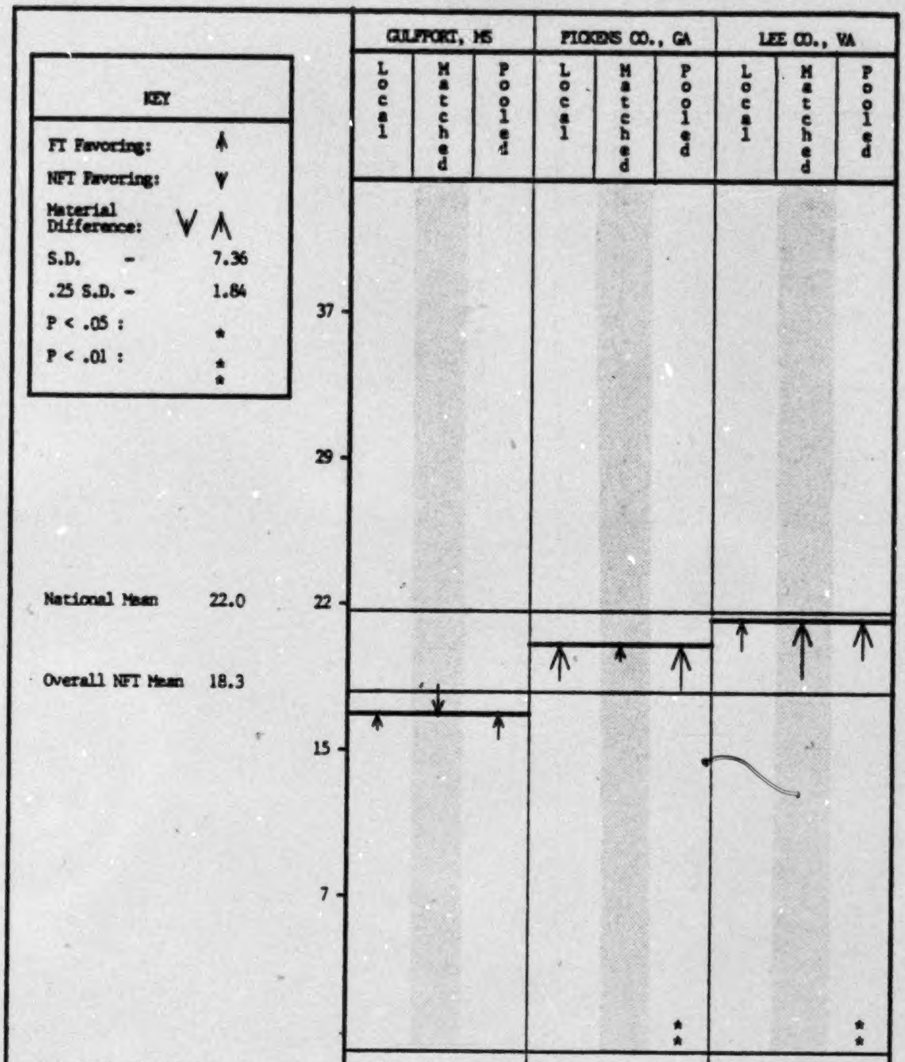
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT READING FOR COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL



| | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -3.08 | -1.75 | -2.56 | -4.04 | -1.85 | -3.26 | 1.66 | 0.02 | 1.93 |
| Standard Error | 1.38 | 1.86 | 0.72 | 2.14 | 1.48 | 0.91 | 1.21 | 1.51 | 0.54 |
| FT Mean | 15.64 | | | 19.29 | | | 20.32 | | |
| No. of FT Children | 97 | | | 68 | | | 178 | | |
| Matched NFT Site | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

Table C18-IIIEF-13

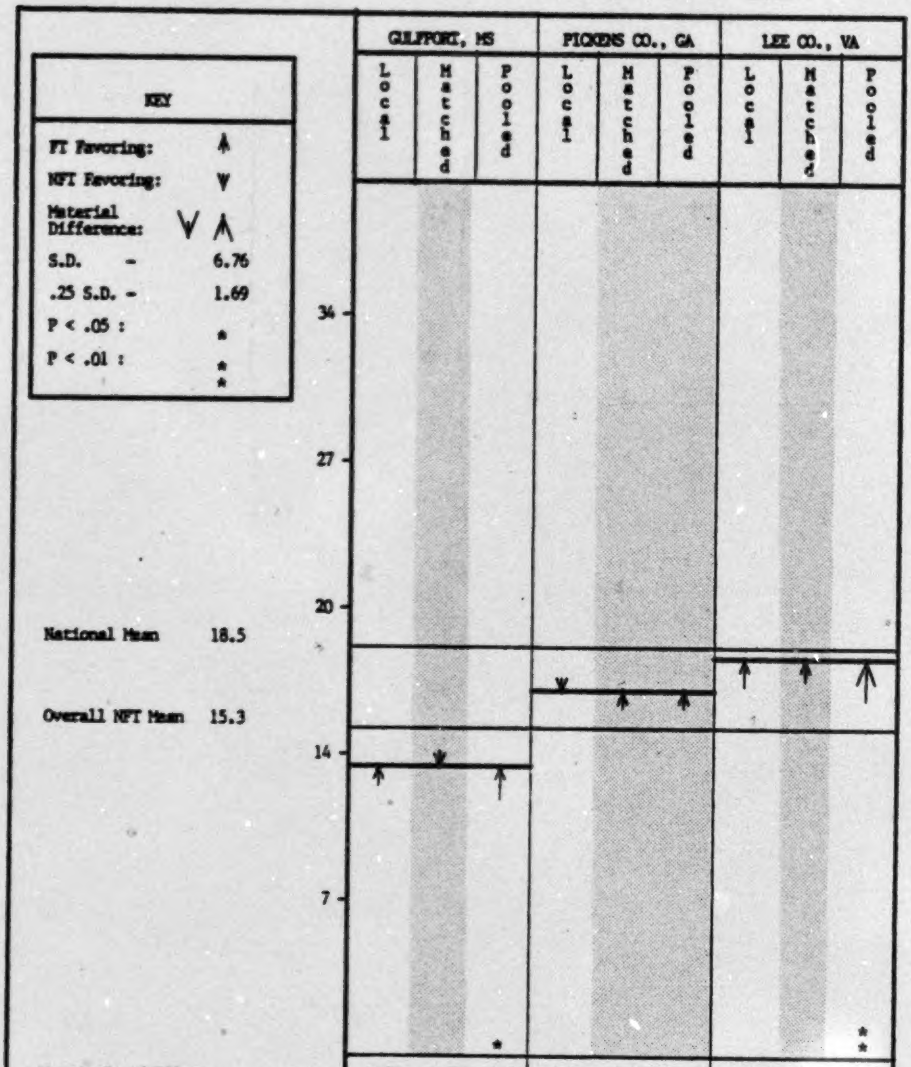
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS CONCEPTS FOR COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL



| | GULFPORT, MS Local | GULFPORT, MS Matched | GULFPORT, MS Pooled | PICKENS CO., GA Local | PICKENS CO., GA Matched | PICKENS CO., GA Pooled | LEE CO., VA Local | LEE CO., VA Matched | LEE CO., VA Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 0.68 | -1.42 | 1.24 | 1.86 | 0.40 | 2.38 | 1.56 | 2.83 | 1.88 |
| Standard Error | 1.36 | 1.63 | 0.65 | 2.09 | 1.40 | 0.90 | 1.19 | 1.44 | 0.52 |
| FT Mean | 16.71 | | | 20.29 | | | 21.48 | | |
| No. of FT Children | 97 | | | 68 | | | 178 | | |
| Matched NFT Site | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C18-IIIEF-14

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT MATHEMATICS PROBLEM SOLVING FOR COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL



| | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | 0.82 | -0.79 | 1.52 | -0.58 | 0.25 | 0.42 | 1.26 | 1.05 | 1.86 |
| Standard Error | 1.36 | 1.54 | 0.69 | 2.09 | 1.38 | 1.02 | 1.19 | 1.38 | 0.53 |
| FT Mean | 13.07 | | | 16.56 | | | 18.08 | | |
| No. of FT Children | 97 | | | 68 | | | 178 | | |
| Matched NFT Site | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

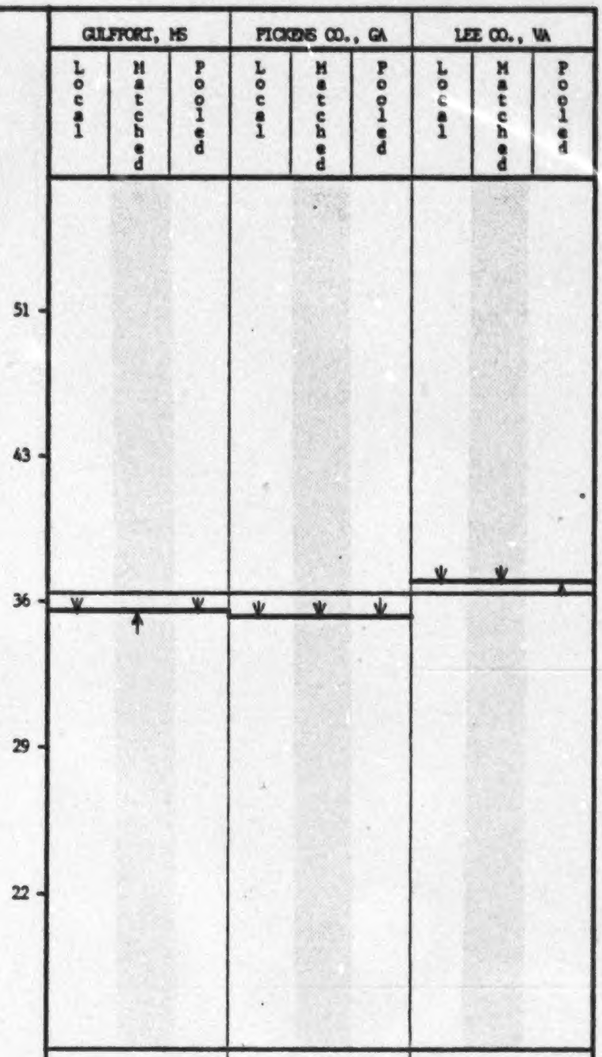
## Table C18-IIIEF-15

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE COOPERSMITH SELF ESTEEM INVENTORY FOR COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL

**KEY**

| | |
|---|---|
| **FT Favoring:** | ↑ |
| **NFT Favoring:** | ↓ |
| **Material Difference:** | ⇓ ⇑ |
| S.D. - | 7.22 |
| .25 S.D. - | 1.80 |
| P < .05 : | * |
| P < .01 : | ** |

Overall NFT Mean 37.0

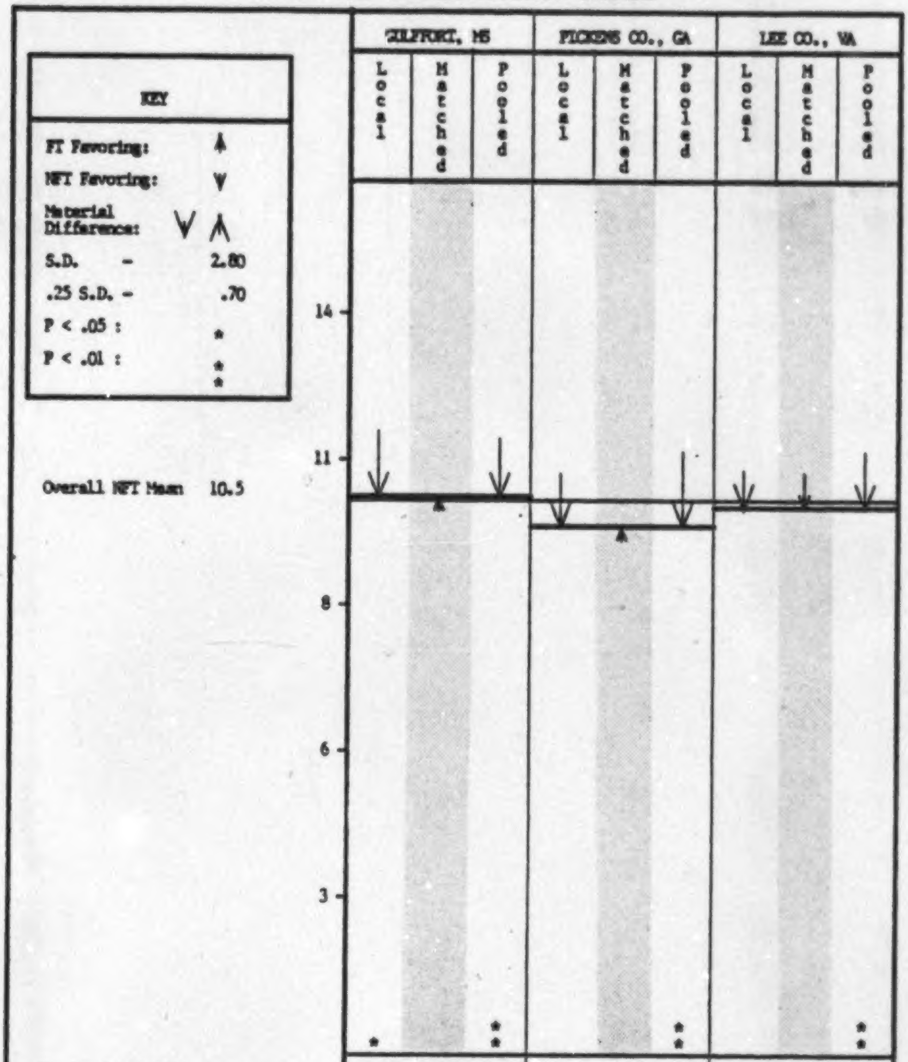


| | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.35 | 0.97 | -0.20 | -0.14 | -0.29 | -0.92 | -0.05 | -0.37 | 0.20 |
| Standard Error | 1.43 | 1.76 | 0.72 | 2.20 | 1.43 | 0.83 | 1.25 | 1.52 | 0.55 |
| FT Mean | | 35.72 | | | 35.56 | | | 37.26 | |
| No. of FT Children | | 97 | | | 68 | | | 178 | |
| Matched NFT Site | | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | |

1541

Table C18-IIIEF-16

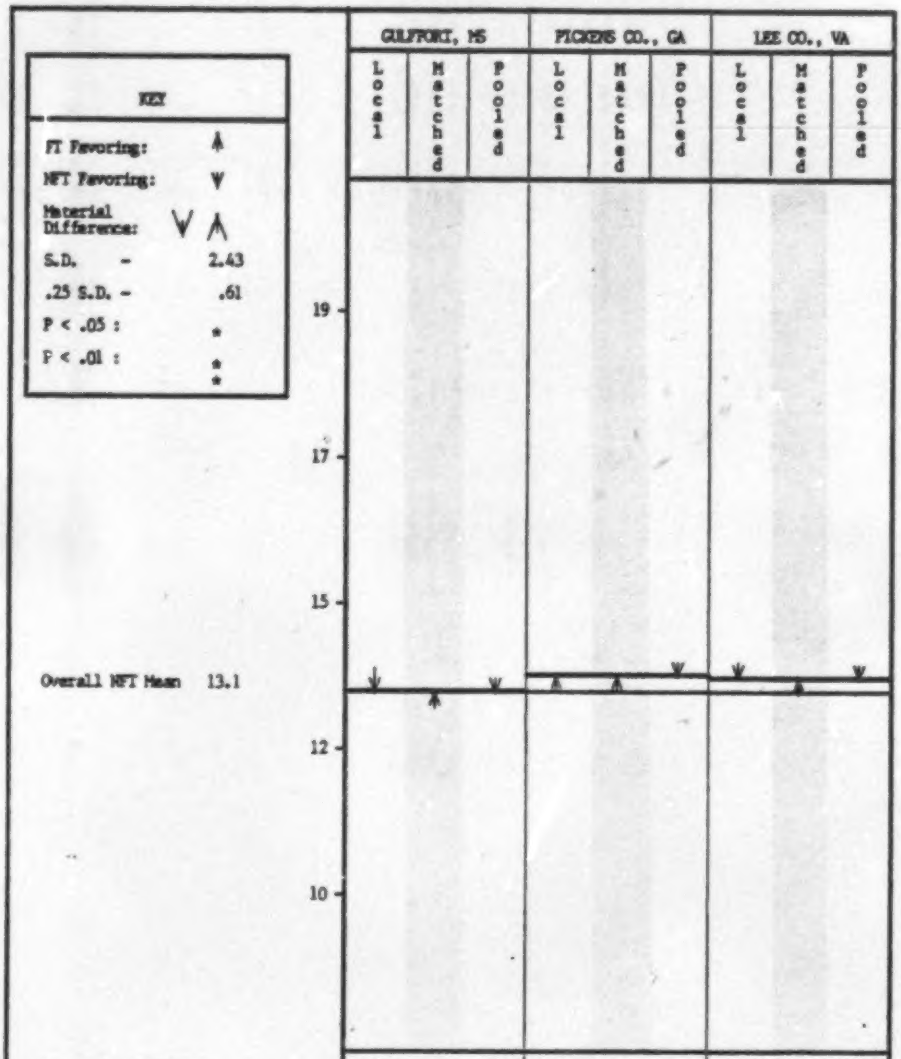
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-NEGATIVE FOR COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL



| | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.27 | 0.23 | -1.11 | -1.03 | 0.05 | -1.43 | -0.73 | -0.65 | -1.04 |
| Standard Error | 0.57 | 0.67 | 0.28 | 0.87 | 0.62 | 0.49 | 0.50 | 0.60 | 0.22 |
| FT Mean | 10.58 | | | 10.00 | | | 10.37 | | |
| No. of FT Children | 97 | | | 68 | | | 178 | | |
| Matched NFT Site | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C18-IIIEF-17

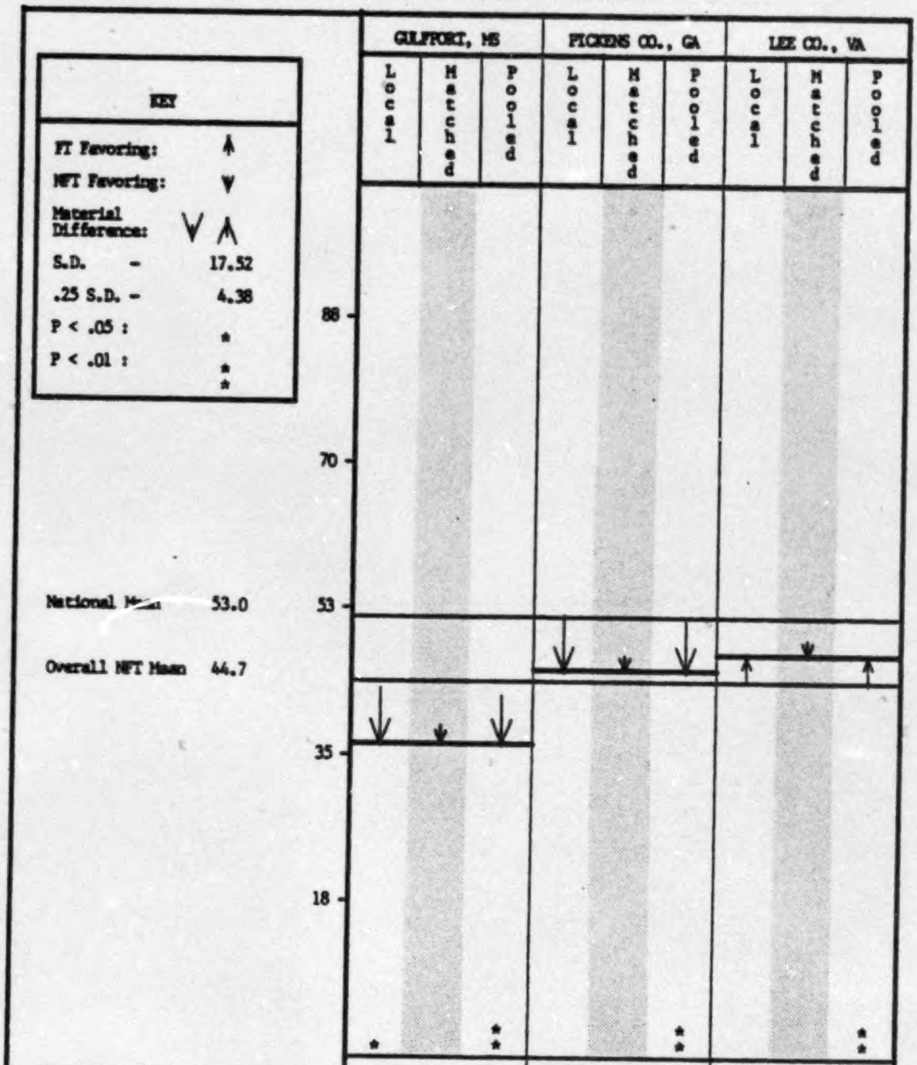
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE INTELLECTUAL ACHIEVEMENT RESPONSIBILITY SCALE-POSITIVE FOR COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL



| | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -0.42 | 0.15 | -0.25 | 0.20 | 0.24 | 0.00 | -0.18 | 0.18 | -0.06 |
| Standard Error | 0.45 | 0.54 | 0.23 | 0.69 | 0.42 | 0.26 | 0.39 | 0.46 | 0.17 |
| FT Mean | 13.14 | | | 13.43 | | | 13.39 | | |
| No. of FT Children | 97 | | | 68 | | | 178 | | |
| Matched NFT Site | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C18-IIIEF-18

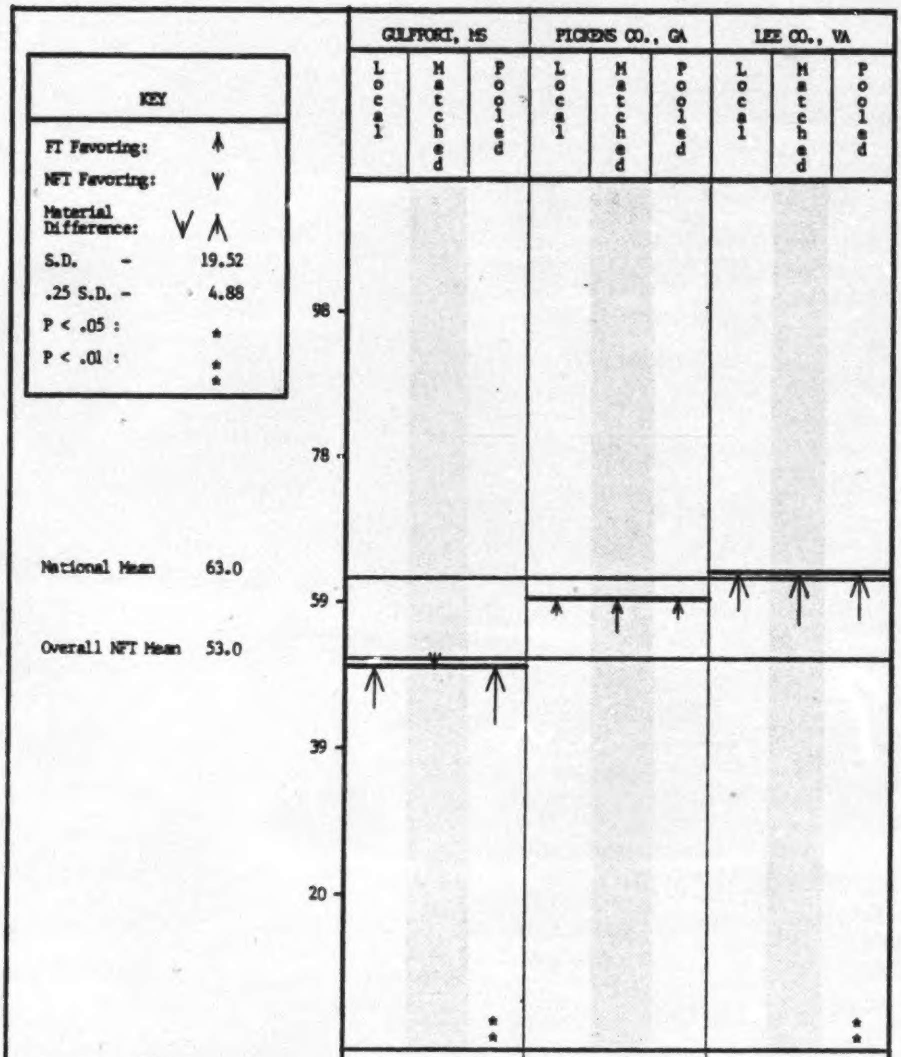
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL READING FOR COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL



| | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -6.75 | -2.19 | -5.88 | -6.88 | -0.59 | -6.64 | 2.98 | -0.46 | 3.61 |
| Standard Error | 2.95 | 3.91 | 1.51 | 4.56 | 3.10 | 1.72 | 2.59 | 3.29 | 1.17 |
| FT Mean | 36.85 | | | 45.56 | | | 47.63 | | |
| No. of FT Children | 97 | | | 68 | | | 178 | | |
| Matched NFT Site | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

Table C18-IIIEF-19

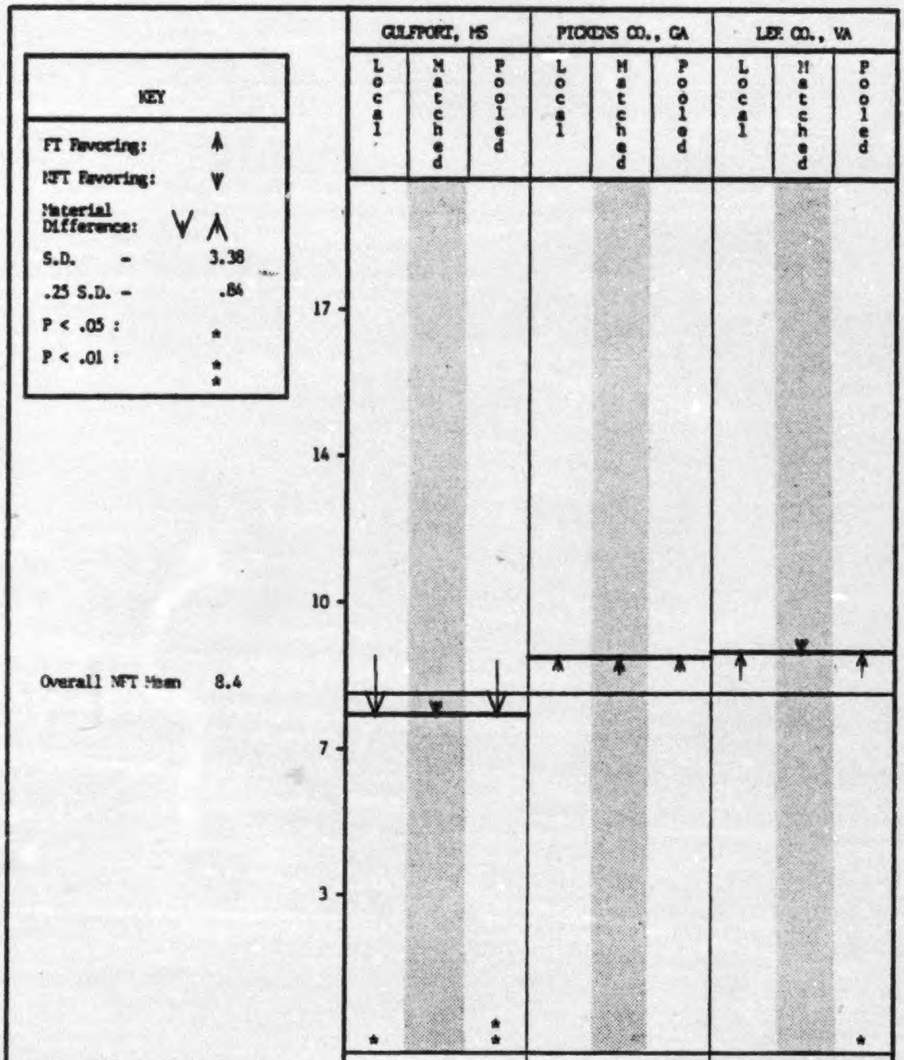
### ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT TOTAL MATH FOR COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL



| | GULFPORT, MS Local | GULFPORT, MS Matched | GULFPORT, MS Pooled | PICKENS CO., GA Local | PICKENS CO., GA Matched | PICKENS CO., GA Pooled | LEE CO., VA Local | LEE CO., VA Matched | LEE CO., VA Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | 5.70 | -0.02 | 7.69 | 0.98 | 4.23 | 2.57 | 5.05 | 6.56 | 6.12 |
| Standard Error | 3.61 | 4.18 | 1.80 | 5.58 | 3.66 | 2.44 | 3.16 | 3.79 | 1.40 |
| FT Mean | | 50.54 | | | 59.48 | | | 62.90 | |
| No. of FT Children | | 97 | | | 68 | | | 178 | |
| Matched NFT Site | | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | |

## Table C18-IIIEF-20

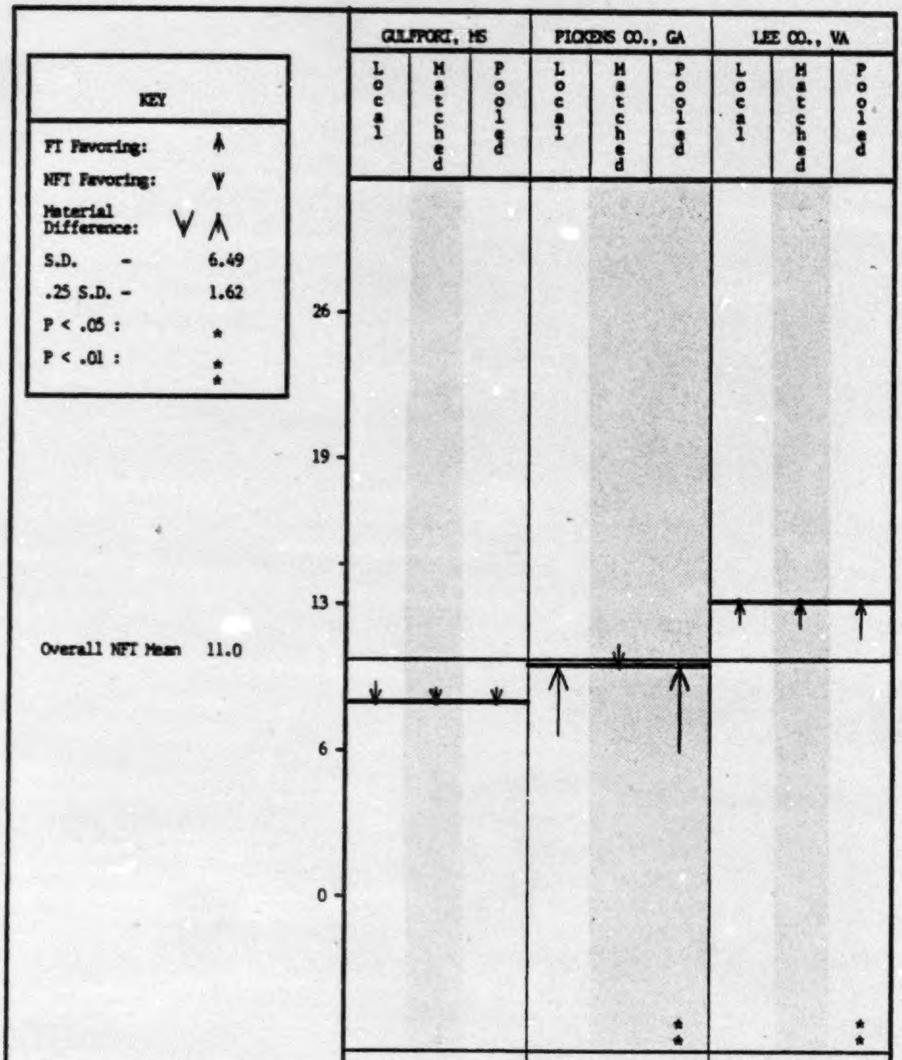
## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART A FOR COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL



| | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|
| | Local | Matched | Pooled | Local | Matched | Pooled | Local | Matched | Pooled |
| Magnitude of Effect | -1.38 | -0.06 | -1.29 | 0.20 | 0.39 | 0.13 | 0.63 | -0.26 | 0.57 |
| Standard Error | 0.61 | 0.70 | 0.29 | 0.95 | 0.60 | 0.37 | 0.54 | 0.66 | 0.23 |
| FT Mean | 7.66 | | | 8.97 | | | 9.12 | | |
| No. of FT Children | 97 | | | 68 | | | 179 | | |
| Matched NFT Site | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C18-IIIEF-21

## ADJUSTED DIFFERENCES BETWEEN FT AND NFT ON THE MAT LANGUAGE PART B FOR COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL



| | GULFPORT, MS Local | GULFPORT, MS Matched | GULFPORT, MS Pooled | PICKENS CO., GA Local | PICKENS CO., GA Matched | PICKENS CO., GA Pooled | LEE CO., VA Local | LEE CO., VA Matched | LEE CO., VA Pooled |
|---|---|---|---|---|---|---|---|---|---|
| Magnitude of Effect | -0.87 | -0.18 | -0.56 | 3.13 | -0.99 | 3.85 | 1.07 | 1.11 | 1.62 |
| Standard Error | 1.20 | 1.39 | 0.52 | 1.85 | 1.26 | 0.80 | 1.05 | 1.34 | 0.48 |
| FT Mean | 8.76 | | | 10.40 | | | 13.25 | | |
| No. of FT Children | 97 | | | 68 | | | 178 | | |
| Matched NFT Site | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

Table C18-IIIEF-22

## STANDARDIZED SCORES FOR MAT READING, MATHEMATICS, LANGUAGE AND SPELLING SUBTESTS COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL

| | | SPONSOR'S SITES | | | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAT NORM POPU-LATION | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | |
| Third Grade Median | 61 | 55.5 | 61.0 | — | 50.7 | 59.3 | 53.6 | 57.9 | 66.8 | 53.6 | 57.9 | 56.8 | 56.4 |
| Median Percentile | 50 | 30.0 | 48.0 | 30.0 | 20.0 | 42.0 | 28.0 | 40.0 | 66.0 | 28.0 | 40.0 | 36.0 | 34.0 |
| Grade Equivalent | 3.5 | 2.9 | 3.5 | 2.9 | 2.5 | 3.3 | 2.8 | 3.2 | 4.2 | 2.8 | 3.2 | 3.1 | 3.0 |
| 1 Year or More Below Grade Level | 20 | 38.6 | 17.1 | — | 52.6 | 19.7 | 44.8 | 32.4 | 4.8 | 44.8 | 30.9 | 26.9 | 25.4 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | |
| Third Grade Median | 70.5 | 65.9 | 66.1 | — | 61.2 | 61.7 | 65.8 | 66.5 | 70.3 | 65.8 | 69.9 | 66.3 | 64.1 |
| Median Percentile | 50 | 34.0 | 34.0 | 32.0 | 20.0 | 23.0 | 34.0 | 38.0 | 48.0 | 34.0 | 48.0 | 34.0 | 28.0 |
| Grade Equivalent | 3.75 | 3.4 | 3.4 | 3.3 | 3.0 | 3.1 | 3.4 | 3.5 | 3.7 | 3.4 | 3.7 | 3.4 | 3.2 |
| 1 Year or More Below Grade Level | 12 | 20.4 | 17.8 | — | 26.8 | 28.2 | 28.4 | 17.7 | 4.8 | 28.4 | 16.9 | 20.5 | 16.9 |
| SPELLING | | | | | | | | | | | | | |
| Third Grade Median | 64 | 61.8 | 64.2 | — | 59.3 | 58.8 | 57.8 | 61.3 | 71.8 | 57.8 | 64.9 | 62.1 | 60.0 |
| Median Percentile | 50 | 44.0 | 50.0 | 36.0 | 36.0 | 36.0 | 32.0 | 40.0 | 76.0 | 32.0 | 54.0 | 44.0 | 38.0 |
| Grade Equivalent | 3.6 | 3.4 | 3.6 | 3.0 | 3.0 | 3.0 | 2.9 | 3.3 | 4.7 | 2.9 | 3.7 | 3.4 | 3.1 |
| 1 Year or More Below Grade Level | 22 | 26.5 | 21.5 | — | 33.0 | 28.2 | 40.3 | 23.5 | 9.5 | 40.3 | 23.0 | 26.9 | 29.6 |
| LANGUAGE | | | | | | | | | | | | | |
| Third Grade Median | 70 | 61.0 | 62.2 | — | 58.6 | 63.6 | 59.6 | 59.5 | 62.6 | 59.6 | 64.9 | 60.5 | 60.8 |
| Median Percentile | 50 | 28.0 | 30.0 | 26.0 | 23.0 | 34.0 | 26.0 | 26.0 | 32.0 | 26.0 | 38.0 | 28.0 | 28.0 |
| Grade Equivalent | 4.0 | 3.1 | 3.1 | 3.0 | 2.9 | 3.3 | 3.0 | 3.0 | 3.2 | 3.0 | 3.4 | 3.1 | 3.1 |
| 1 Year or More Below Grade Level | 14 | 55.4 | 43.0 | — | 66.0 | 40.9 | 58.2 | 60.3 | 38.1 | 58.2 | 39.9 | 50.0 | 49.3 |
| BEST MATCHED SITE | | | | | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

Table C18-IIIEF-23

MEANS AND STANDARD DEVIATIONS FOR THE COVARIATES
USED IN THE ANALYTIC SAMPLE OF THE
COHORT III ENTERING FIRST SITES
IN THE MATHEMAGENIC MODEL

| | SPONSOR'S SITES | | | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| FALL KINDERGARTEN WRAT | | | | | | | | | | | | |
| Mean | 47.7 | 50.5 | — | 46.9 | 49.6 | 45.4 | 48.1 | 54.9 | 45.4 | 48.0 | 47.1 | 44.3 |
| Standard Deviation | — | — | — | 11.5 | 10.1 | 12.8 | 11.1 | 9.8 | 12.8 | 12.1 | 10.9 | 11.0 |
| HIGHEST OCCUPATION IN HOUSE | | | | | | | | | | | | |
| Mean | 14.3 | 15.0 | — | 14.0 | 15.3 | 14.6 | 14.6 | 15.2 | 14.6 | 14.5 | 14.6 | 14.0 |
| Standard Deviation | — | — | — | 2.3 | 2.1 | 2.0 | 2.0 | 2.2 | 2.0 | 2.4 | 2.6 | 2.0 |
| FAMILY INCOME IN DOLLARS | | | | | | | | | | | | |
| Mean | 5435 | 6515 | — | 5473 | 7493 | 6765 | 5914 | 8185 | 6765 | 4919 | 3866 | 5552 |
| Standard Deviation | — | — | — | 2941 | 2457 | 2717 | 2644 | 2055 | 2717 | 2959 | 2278 | 2749 |
| MISSING INCOME INFORMATION | | | | | | | | | | | | |
| No. Missing | — | — | — | 52 | 25 | 7 | 4 | 0 | 7 | 101 | 11 | 6 |
| Valid Cases | — | — | — | 45 | 46 | 60 | 64 | 21 | 60 | 77 | 67 | 65 |
| ETHNIC MEMBERSHIP/RACE | | | | | | | | | | | | |
| Percent White | 76 | 91 | — | 40 | 72 | 85 | 88 | 100 | 85 | 99 | 100 | 100 |
| Percent Black | 24 | 9 | — | 58 | 28 | 15 | 12 | 0 | 15 | 1 | 0 | 0 |
| SEX Percent Female | 49 | 48 | — | 45 | 32 | 52 | 49 | 62 | 52 | 54 | 50 | 56 |
| ENTRY AGE IN MONTHS | | | | | | | | | | | | |
| Mean | 64.7 | 65.3 | — | 63.9 | 64.2 | 64.8 | 63.6 | 65.4 | 64.8 | 66.5 | 66.3 | 64.8 |
| Standard Deviation | — | — | — | 4.9 | 4.7 | 5.6 | 4.6 | 4.6 | 5.6 | 4.1 | 4.2 | 5.5 |
| FIRST LANGUAGE | | | | | | | | | | | | |
| Percent English | 100 | 100 | — | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| BEST MATCHED SITE | | | | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

## Table C18-IIIEF-24

## MEANS AND STANDARD DEVIATIONS FOR THE OUTCOME MEASURES COHORT III ENTERING FIRST SITES IN THE MATHEMAGENIC MODEL

| | ALL SITES | | SPONSOR'S SITES | | | GULFPORT, MS | | | PICKENS CO., GA | | | LEE CO., VA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FT | NFT | FT | NFT | | FT | NFT | | FT | NFT | | FT | NFT | |
| | | | | Local | Best Match | | Local | Best Match | | Local | Best Match | | Local | Best Match |
| TOTAL READING | | | | | | | | | | | | | | |
| Mean | 37.22 | 44.67 | 43.34 | 51.39 | — | 36.85 | 49.03 | 43.63 | 45.56 | 60.71 | 43.63 | 47.63 | 44.42 | 44.92 |
| Standard Deviation | | | — | — | — | 16.45 | 16.21 | 23.02 | 18.86 | 17.21 | 23.02 | 20.93 | 15.48 | 17.24 |
| TOTAL MATHEMATICS | | | | | | | | | | | | | | |
| Mean | 50.31 | 53.89 | 57.64 | 57.38 | — | 50.54 | 49.21 | 52.60 | 59.49 | 66.24 | 52.60 | 62.90 | 56.69 | 53.55 |
| Standard Deviation | | | — | — | — | 19.58 | 18.06 | 21.58 | 23.29 | 18.10 | 21.58 | 23.94 | 19.96 | 18.68 |
| LANGUAGE | | | | | | | | | | | | | | |
| Mean | 18.99 | 19.06 | 19.39 | 20.43 | — | 16.42 | 20.85 | 18.49 | 19.37 | 19.90 | 18.49 | 22.37 | 20.54 | 19.97 |
| Standard Deviation | | | — | — | — | 7.16 | 8.06 | 10.61 | 9.59 | 7.84 | 10.61 | 10.69 | 8.82 | 8.39 |
| SPELLING | | | | | | | | | | | | | | |
| Mean | 14.99 | 18.88 | 20.44 | 22.09 | — | 17.27 | 18.25 | 16.12 | 21.12 | 27.67 | 16.12 | 22.92 | 20.35 | 18.63 |
| Standard Deviation | | | — | — | — | 11.51 | 11.07 | 13.23 | 11.93 | 9.56 | 13.23 | 12.97 | 12.09 | 11.49 |
| RAVEN'S PROGRESSIVE MAT. | | | | | | | | | | | | | | |
| Mean | 17.72 | 19.03 | 19.68 | 19.61 | — | 18.31 | 20.15 | 19.55 | 20.01 | 19.90 | 19.55 | 20.70 | 18.77 | 18.08 |
| Standard Deviation | | | — | — | — | 4.75 | 4.84 | 5.23 | 3.95 | 4.41 | 5.23 | 5.12 | 4.76 | 4.54 |
| COOPERSMITH'S SELF-EST. | | | | | | | | | | | | | | |
| Mean | 35.42 | 36.73 | 36.18 | 36.84 | — | 35.72 | 36.46 | 35.04 | 35.56 | 37.19 | 35.04 | 37.26 | 36.87 | 37.01 |
| Standard Deviation | | | — | — | — | 6.66 | 6.69 | 7.71 | 7.07 | 5.38 | 7.71 | 7.58 | 6.96 | 7.13 |
| IARS-LOCUS NEGATIVE | | | | | | | | | | | | | | |
| Mean | 9.79 | 10.42 | 10.31 | 11.54 | — | 10.58 | 11.92 | 10.22 | 10.00 | 11.52 | 10.22 | 10.37 | 11.18 | 10.97 |
| Standard Deviation | | | — | — | — | 2.59 | 2.12 | 3.11 | 3.26 | 2.62 | 3.11 | 2.99 | 2.71 | 2.67 |
| IARS-LOCUS POSITIVE | | | | | | | | | | | | | | |
| Mean | 12.87 | 12.69 | 13.32 | 13.51 | — | 13.14 | 13.46 | 13.28 | 13.43 | 13.71 | 13.28 | 13.39 | 13.35 | 12.82 |
| Standard Deviation | | | — | — | — | 2.30 | 2.15 | 2.39 | 2.16 | 1.82 | 2.39 | 2.36 | 2.35 | 2.15 |
| WORD KNOWLEDGE | | | | | | | | | | | | | | |
| Mean | 20.79 | 25.29 | 24.93 | 29.35 | — | 21.21 | 28.08 | 23.88 | 26.26 | 34.24 | 23.88 | 27.31 | 25.72 | 25.86 |
| Standard Deviation | | | — | — | — | 9.98 | 10.10 | 13.09 | 11.12 | 10.33 | 13.09 | 12.40 | 9.76 | 10.65 |
| READING | | | | | | | | | | | | | | |
| Mean | 16.44 | 19.38 | 18.42 | 22.04 | — | 15.64 | 20.94 | 19.75 | 19.29 | 26.48 | 19.75 | 20.31 | 18.71 | 19.06 |
| Standard Deviation | | | — | — | — | 7.38 | 7.01 | 10.55 | 8.52 | 7.45 | 10.55 | 9.16 | 6.68 | 7.45 |
| MATH COMPUTATIONS | | | | | | | | | | | | | | |
| Mean | 19.70 | 19.93 | 22.24 | 21.00 | — | 20.75 | 17.31 | 18.55 | 22.63 | 25.00 | 18.55 | 23.35 | 20.71 | 19.73 |
| Standard Deviation | | | — | — | — | 6.91 | 5.72 | 6.69 | 7.87 | 5.97 | 6.69 | 8.09 | 6.41 | 6.98 |
| MATH CONCEPTS | | | | | | | | | | | | | | |
| Mean | 16.67 | 18.31 | 19.49 | 19.66 | — | 16.71 | 18.01 | 18.81 | 20.29 | 21.38 | 18.81 | 21.48 | 19.58 | 18.00 |
| Standard Deviation | | | — | — | — | 7.36 | 7.81 | 9.24 | 8.60 | 6.17 | 9.24 | 8.81 | 7.54 | 7.14 |
| MATH PROBLEM SOLVING | | | | | | | | | | | | | | |
| Mean | 13.94 | 15.66 | 15.90 | 16.72 | — | 13.07 | 13.89 | 15.24 | 16.56 | 19.86 | 15.24 | 18.08 | 16.41 | 15.82 |
| Standard Deviation | | | — | — | — | 6.97 | 6.66 | 7.64 | 8.48 | 6.90 | 7.64 | 8.44 | 7.67 | 6.16 |
| LANGUAGE PART A | | | | | | | | | | | | | | |
| Mean | 7.92 | 8.27 | 8.58 | 9.45 | — | 7.66 | 9.77 | 8.45 | 8.97 | 10.10 | 8.45 | 9.12 | 8.49 | 8.85 |
| Standard Deviation | | | — | — | — | 3.15 | 3.09 | 3.59 | 3.56 | 2.90 | 3.59 | 3.72 | 3.73 | 3.24 |
| LANGUAGE PART B | | | | | | | | | | | | | | |
| Mean | 11.07 | 10.79 | 10.80 | 10.98 | — | 8.76 | 11.07 | 10.04 | 10.40 | 9.81 | 10.04 | 13.25 | 12.05 | 11.13 |
| Standard Deviation | | | — | — | — | 5.17 | 5.88 | 8.06 | 7.27 | 6.08 | 8.06 | 7.82 | 6.47 | 6.06 |
| BEST MATCH SITE | | | | | | Walker Co., GA | | | Walker Co., GA | | | Pike Co., KY | | |

Table C18-IIIEF-25

## REGRESSION COEFFICIENTS FOR THE COVARIATES INCLUDED IN THE COHORT III-EF LOCAL ANALYSES FOR THE MATHEMAGENIC MODEL

CODE

FEW = Fall Entering WRAT
NOFEW = Missing WRAT
NOINC = Missing Income
ETH2 = White vs. Other
SEX = Sex
OCCUP = Occupation
ENTAGE = Entry Age
INCOME = Income
NOOCCUP = Missing Occupation
ETH1 = White vs. Black

### MAT Total Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .94573668 | .74921143E-01 |
| NOFEW | -11.716878 | 6.1555550 |
| NOINC | -.91648172 | 3.8072129 |
| ETH2 | 4.3971647 | 8.5651995 |
| SEX | 3.2962695 | 1.6205793 |
| OCCUP | .61244679 | .35961583 |
| ENTAGE | -.48417585 | .18701670 |
| INCOME | .87523645E-04 | .30198973E-03 |
| NOOCCUP | -.27816655 | 3.8912595 |
| ETH1 | 1.8483138 | 4.4637937 |

### MAT Total Mathematics

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | 1.1486217 | .91640912E-01 |
| NOFEW | -3.6160982 | 7.5292587 |
| NOINC | -1.2759437 | 4.6568492 |
| ETH2 | 12.544592 | 10.476651 |
| SEX | 1.1112380 | 1.9859052 |
| OCCUP | .21844743 | .43984946 |
| ENTAGE | -.56015003 | .22875236 |
| INCOME | -.33712801E-04 | .36938324E-03 |
| NOOCCUP | 2.0785564 | 4.7596434 |
| ETH1 | -4.1674947 | 5.4599558 |

### MAT Spelling

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .60644759 | .50650090E-01 |
| NOFEW | -7.8007630 | 4.1615082 |
| NOINC | -2.6105237 | 2.5738943 |
| ETH2 | 3.4662002 | 5.7905661 |
| SEX | 3.3475798 | 1.0976328 |
| OCCUP | .27135715 | .24312093 |
| ENTAGE | -.34454748 | .12643452 |
| INCOME | -.52980917E-04 | .20416238E-03 |
| NOOCCUP | 1.9065382 | 2.6307099 |
| ETH1 | -.67235456 | 3.0177806 |

### MAT Language

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .45532340 | .39270759E-01 |
| NOFEW | -3.7127190 | 3.2265033 |
| NOINC | -1.5978466 | 1.9955934 |
| ETH2 | 4.4880175 | 4.4895465 |
| SEX | 1.4665382 | .85101734 |
| OCCUP | .40290057 | .18849668 |
| ENTAGE | -.21374595 | .98026905E-01 |
| INCOME | .93775066E-04 | .15829131E-03 |
| NOOCCUP | .79509743 | 2.0396437 |
| ETH1 | -1.4141272 | 2.3397476 |

### Raven's

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .18952580 | .22086099E-01 |
| NOFEW | -.35656310 | 1.8146039 |
| NOINC | .45309234 | 1.1223332 |
| ETH2 | .96423586E-01 | 2.5249461 |
| SEX | -1.1557402 | .47861703 |
| OCCUP | .72901065E-01 | .10601161 |
| ENTAGE | -.12113242 | .55130892E-01 |
| INCOME | .78308200E-04 | .89023939E-04 |
| NOOCCUP | -.18422521 | 1.1471073 |
| ETH1 | 1.2353319 | 1.3158875 |

### Coopersmith

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .12234138 | .36168291E-01 |
| NOFEW | -2.6948193 | 2.7716031 |
| NOINC | .43228699 | 1.8379376 |
| ETH2 | -3.4468016 | 4.1348625 |
| SEX | 1.4160139 | .78378529 |
| OCCUP | .87175472E-01 | .17360507 |
| ENTAGE | -.46641032E-01 | .90282586E-01 |
| INCOME | .12754572E-03 | .14578598E-03 |
| NOOCCUP | -.19443812E-01 | 1.8785078 |
| ETH1 | 2.0519021 | 2.1549059 |

### IARS (+)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .52623437E-01 | .11293330E-01 |
| NOFEW | -1.6445189 | .92786513 |
| NOINC | -1.3327371 | .57388491 |
| ETH2 | .79897432E-01 | 1.2910658 |
| SEX | .65158356 | .24473222 |
| OCCUP | -.28076289E-02 | .54207133E-01 |
| ENTAGE | -.81014530E-01 | .28190102E-01 |
| INCOME | .33847662E-04 | .45520793E-04 |
| NOOCCUP | 1.6134377 | .58655272 |
| ETH1 | -.14057339 | .67285542 |

## Table C18-IIIEF-25 (cont.)

### IARS (-)

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .53178965E-01 | .14369841E-01 |
| NOFEW | -1.8647761 | 1.1806326 |
| NOINC | -.94552006 | .73022168 |
| ETH2 | -.49644993 | 1.6428013 |
| SEX | .30689308 | .31140177 |
| OCCUP | -.70090176E-01 | .68974150E-01 |
| ENTAGE | .34670410E-03 | .35869717E-01 |
| INCOME | -.34666966E-05 | .57921491E-04 |
| NOOCCUP | .64099598 | .74634643 |
| ETH1 | .22808919 | .85615358 |

### MAT Word Knowledge

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .57479222 | .44932293E-01 |
| NOFEW | -8.0072489 | 3.6916575 |
| NOINC | -.89143470 | 2.2832915 |
| ETH2 | 2.3445251 | 5.1367883 |
| SEX | 2.0245230 | .97370968 |
| OCCUP | .34013440 | .21967141 |
| ENTAGE | -.26842353 | .11215912 |
| INCOME | .59528615E-04 | .18111164E-03 |
| NOOCCUP | .47057694 | 2.3336923 |
| ETH1 | 1.2730677 | 2.6770612 |

### MAT Reading

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .37094446 | .35396137E-01 |
| NOFEW | -3.7305888 | 2.8035145 |
| NOINC | -.25047016E-01 | 1.7834597 |
| ETH2 | 2.0526397 | 4.0122919 |
| SEX | 1.2717466 | .76055117 |
| OCCUP | .27251239 | .16845881 |
| ENTAGE | -.21555233 | .87606297E-01 |
| INCOME | .27995129E-04 | .14146438E-03 |
| NOOCCUP | -.74874550 | 1.8228273 |
| ETH1 | .57524609 | 2.0910241 |

### MAT Math Concepts

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .43133736 | .34386404E-01 |
| NOFEW | .61590400 | 2.8252024 |
| NOINC | -.78116878 | 1.7473997 |
| ETH2 | 4.8284360 | 3.9311920 |
| SEX | .31782923 | .74517088 |
| OCCUP | .84289977E-01 | .16505214 |
| ENTAGE | -.21723100 | .85934672E-01 |
| INCOME | .22473332E-04 | .13800341E-03 |
| NOOCCUP | .74056434 | 1.7859632 |
| ETH1 | -1.2480883 | 2.0487383 |

### MAT Math Computations

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .33957625 | .32893475E-01 |
| NOFEW | -2.6112862 | 2.7023427 |
| NOINC | -.36539462 | 1.6715236 |
| ETH2 | 4.3884094 | 3.7604741 |
| SEX | .17817316 | .71281835 |
| OCCUP | .34843832E-01 | .15788419 |
| ENTAGE | -.17413955 | .82109852E-01 |
| INCOME | -.44211622E-04 | .13258906E-03 |
| NOOCCUP | .86819923 | 1.7084205 |
| ETH1 | -2.1516108 | 1.9597807 |

### MAT Math Problem Solving

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .37770811 | .34390411E-01 |
| NOFEW | -1.6267161 | 2.8255317 |
| NOINC | -.12939034 | 1.7475923 |
| ETH2 | 3.6513470 | 3.9316162 |
| SEX | .61523557 | .74525772 |
| OCCUP | .99513525E-01 | .16507137 |
| ENTAGE | -.16818548 | .85844475E-01 |
| INCOME | -.11974511E-04 | .13861976E-03 |
| NOOCCUP | .46980283 | 1.7801683 |
| ETH1 | -.76779561 | 2.0407770 |

### MAT Language Part A

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .15578254 | .15551810E-01 |
| NOFEW | -1.7772624 | 1.2776790 |
| NOINC | -.28751762 | .79024437 |
| ETH2 | .59360240 | 1.7778359 |
| SEX | .57704712 | .33679930 |
| OCCUP | .12355834 | .74643471E-01 |
| ENTAGE | -.66744022E-01 | .38818128E-01 |
| INCOME | .15560116E-04 | .62682509E-04 |
| NOOCCUP | -.29311555E-01 | .80768795 |
| ETH1 | .50819201E-01 | .92652749 |

### MAT Language Part B

| VARIABLE | B | STD ERROR B |
|---|---|---|
| FEW | .30024086 | .30463982E-01 |
| NOFEW | -1.9445166 | 2.5029263 |
| NOINC | -1.3103290 | 1.5480408 |
| ETH2 | 3.8944151 | 3.4827181 |
| SEX | .88859104 | .66016784 |
| OCCUP | .27934223 | .14622473 |
| ENTAGE | -.14608193 | .76043350E-01 |
| INCOME | .78214950E-04 | .12279293E-03 |
| NOOCCUP | .82529429 | 1.5822323 |
| ETH1 | -1.4649464 | 1.8150348 |